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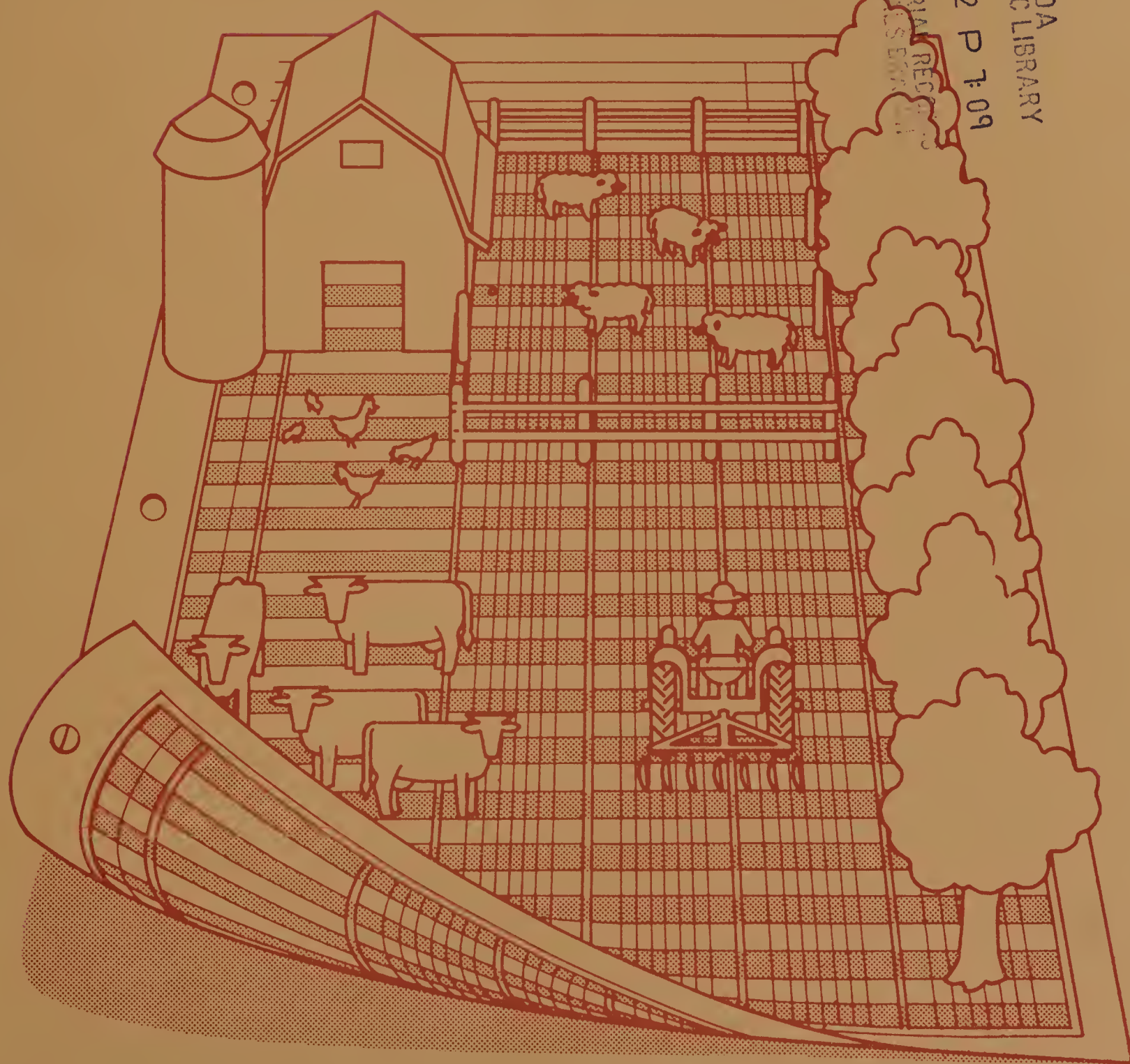
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ECIFS 2-3

Economic Indicators of the Farm Sector

Costs of Production, 1982



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Economic Indicators of the Farm Sector: Costs of Production,
1982. National Economics Division, Economic Research Service,
U.S. Department of Agriculture. ECIFS 2-3.

ABSTRACT

Average costs per acre of producing the major crops increased 1.9 percent from 1981 to 1982. Per unit crop production costs declined because of record yields and lower levels of inflation and interest rates in 1982. Production costs for cattle, hogs, and sheep declined 2.4 percent. Milk production costs per hundredweight decreased 1 percent. Agricultural chemical and machinery price increases led to increased per acre production costs, while fuel and feed costs declined. The costs of production figures are presented in a new format and are calculated using a revised method for measuring the costs and returns of producing major agricultural commodities.

Keywords: Costs of production, costs and returns.

SALES INFORMATION

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PREFACE

The Economic Research Service (ERS) has revised the procedures used to estimate the costs of producing major U.S. agricultural commodities. These new procedures and associated format better reflect the financial well-being of today's farm sector.

A major addition to the series is a cash receipts section. This allows a better understanding of the financial situation from both shortrun (cash flows) and longrun (economic costs) perspectives across enterprises and regions.

This report is one of five in the annual Economic Indicators of the Farm Sector series. Other reports are Income and Balance Sheet Statistics, State Income and Balance Sheet Statistics, Production and Efficiency Statistics, and Farm Sector Review.

This publication was prepared by the staff of the Farm Firm Analysis Section, Economic Indicators and Statistics Branch, National Economics Division, ERS.

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HIGHLIGHTS

This report marks the first time that costs of production have been published in the Economic Indicators of the Farm Sector series. More extensive analysis and a new format concentrate on three major categories: cash receipts, cash expenses, and economic costs. Each table contains more information than before on enterprise returns and cash flow estimates.

This report shows that the 1982 farm economy continued along a sluggish recovery route which began in 1980. Inflation dropped to 4 percent from 1981's 9.2 percent. Farmers paid only 2.0 percent more for production items in 1982, but prices received dropped 4.3 percent.

Record crop yields in 1982 helped offset per acre cost increases for corn, barley, oats, wheat, soybeans, peanuts, and cotton. Market prices, however, declined for all major crops except cotton and sorghum. Livestock and dairy producers received higher gains on investment; hog prices showed the largest increase at 30 percent from the year before.

Costs of most production inputs rose less than they had in 1981, but only fuel, feed, and feeder livestock prices declined.

Overall, U.S. crop growers had a disappointing year:

CORN showed per acre receipts down and cash expenses up for the second year in a row. Net returns to owned inputs declined to \$48 per acre in 1982 from \$107 in 1981.....GRAIN SORGHUM yields declined in the two major growing regions, and cost increases triggered a heavy drop in earnings, off \$25 per acre on net returns.....BARLEY's record-high production, spurred by record yields, failed to counteract increased expenses. The result: 1982 gross receipts per acre fell \$3.....OATS production was up 21 percent in 1982, but cash receipts fell \$18 an acre, mainly because of price declines.....WHEAT prices for all types dipped in 1982. Record production and yields for all wheat could not stem the national-level earnings decline of \$4 an acre.....RICE output fell 16 percent from 1981's record, and prices decreased 26 percent, leading to a precipitous decline of \$134 an acre in average receipts.....SOYBEANS' 1982 record production contrasted with substantial fixed-cost increases, and gross receipts dropped \$16 an acre.....PEANUTS grew on the lowest harvested acreage since 1933, pushing down production by 14 percent. Very good yields helped offset production costs considerably, but cash receipts dropped about \$50 an acre.....COTTON prices for lint recovered slightly, offsetting a yield decrease; overall, per acre receipts declined by about 1 percent.

The 1982 livestock and dairy picture was somewhat brighter than that for crops:

COW-CALF receipts barely kept pace with expenses, and operators sought to reduce herd size in the no-better-than-breakeven market.....FED BEEF's small but improved returns to cattle feeding were the upshot of reduced operating costs.....HOGS brought producers one of the most profitable years on record in 1982 after 3 consecutive years of losses. Receipts per hundredweight averaged \$13 above cash expenses.....SHEEP ranchers' high profits of 3 years before gave way to a continuing slide in 1982. Flock expansion combined with slumping demand to dampen earnings.....MILK gross receipts declined nearly 2 percent in 1982 to \$14.66 per hundredweight of milk produced. Fluid milk accounted for 92 percent of dairy revenue in 1981-82.

In this report are the average, weighted costs for all producers of the commodity identified in a specific region. The costs for an individual farming operation may differ significantly from the regional or national figures for a variety of reasons. Although the difference between production costs and receipts determines the profitability and performance of the production unit, the residual figure is not an adequate indicator of the well-being of a multiple enterprise farm. The analysis of the economic well-being of a whole farm can only be derived from additional information regarding the number and combination of production units and goals of the particular farm in question, the kind of information this report does not cover.

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Economic Indicators of the Farm Sector

Costs of Production, 1982

BACKGROUND

Since 1974 USDA's Economic Research Service (ERS) has annually estimated the costs of producing wheat, feed grains, cotton, and dairy commodities as required by the Agriculture and Consumer Protection Act of 1973. ERS also calculates costs for producing commodities which compete for resources with the required commodities: namely rice, peanuts, soybeans, flax, sunflower, fed cattle, feeder cattle, hogs, sheep, potatoes, and sugar.

The Agriculture and Food Act of 1981 permits more flexibility in how the costs of production (COP) estimates are calculated. Previous COP reports to the Senate were published individually by commodity group--crops, livestock, and milk. For the first time, COP is published as a separate segment in the Economic Indicators of the Farm Sector (ECIFS) series. The data in this report complement the statistics and indicators in other reports in the ECIFS series. Costs and returns are presented by commodity and region of production. Because these cost estimates are widely used by other USDA agencies, universities, other institutions, and private businesses, this publication is added to the ECIFS series.

The COP estimates in this report are also in a new format. They now include overall returns realized by producers, the financial or cash flow position of farm operators, and changes in input costs over time. To provide a more complete set of commodity cost statistics, a number of cost and cash flow estimates have been added to each table as well as more information on input costs.

STRUCTURE OF THE NEW AND OLD ACCOUNTS

For example, the previous format illustrates U.S. corn production costs for 1981 (fig. 1). This budget contains an estimate of variable costs together with costs imputed to inputs supplied by the operator: machinery, overhead, management, and land. The new format contains revised cost and return measures separated into three major categories: cash receipts, cash expenses, and economic costs (fig. 2). ERS and the Statistical Reporting Service (SRS) collect data used to estimate the costs through enumerated surveys of farm operators. Quantities of inputs are multiplied by their respective prices to obtain the costs shown in the enterprise budgets.

STRUCTURE OF THE NEW AND OLD ACCOUNTS

Cash Receipts

Cash receipts are now included so that an analyst may estimate the residual returns to management and owned resources used in the production process. These residual returns fluctuate as the market price changes and provide information to gauge the economic performance of a commodity in a particular year or over time.

Cash Expenses

Cash expenses are the out-of-pocket costs incurred during the production process. The cash flow position of producers is determined by subtracting cash expenses from the value of production (cash receipts).

The estimates of cash expenses shown in figure 2 (for most individual items under the new format) are identical to costs shown in figure 1. Cash returns are tabulated both before and after a charge for the replacement of capital invested in machinery. In any given year, an operator may defer machinery and equipment purchases depending on the income or tax position of the farm. However, over the long run, operators must set aside funds to replace wornout equipment. Thus, the residual cash available for family living, debt retirement, or other discretionary uses should reflect economic depreciation of machinery and equipment.

An additional cost item contained in the new accounts is actual interest paid. Cash interest payments are estimated based on survey data. In previous budgets, an average amount of interest was assigned to all producers based on the amount and timing of inputs purchased, which failed to reflect the interest costs actually incurred. New survey data, however, provide actual interest cost information.

Economic Costs

This section can be used to compare total costs and returns across various commodities without regard for equity levels or tenure of producers. For example, the cash expenses of two farm operators producing corn may be completely different because of differing levels of debt, even when identical practices and technology on similar land are used. Economic costs provide a framework for analyzing these diverse situations.

Economic costs consist of the sum of variable expenses plus general farm overhead, taxes and insurance, and the charge for capital replacement. (This total may be obtained by making the same calculations with the items listed in figure 1.) The next step is to subtract this total from cash receipts. The residual return can then be allocated to cover the costs of land, machinery, unpaid labor, and capital invested in operating inputs. The cost allocation shown in the new format is based

STRUCTURE OF THE NEW AND OLD ACCOUNTS

Figure 1--U.S. corn production costs,
former methodology, 1981

Figure 2--U.S. corn production costs and returns,
current methodology

| Item | : Original format |
|------------------------------|------------------------------------|
| | : <u>Dollars/ planted acre</u> |
| Variable: | : |
| Seed | : 16.28 |
| Fertilizer | : 52.36 |
| Lime | : 1.53 |
| Chemicals | : 15.49 |
| Custom operations | : 5.31 |
| Labor | : 14.92 |
| Fuel and lubrication | : 20.24 |
| Repairs | : 11.84 |
| Drying | : 8.58 |
| Purchased irrigation water | : .10 |
| Interest | : 7.96 |
| Total | : 155.04 |
| Machinery ownership: | : |
| Replacement | : 28.72 |
| Interest | : 25.11 |
| Taxes and insurance | : 4.24 |
| Total | : 58.08 |
| Farm overhead | : 9.83 |
| Management | : 22.29 |
| Total, excluding land | : 245.24 |
| Land allocation: 1/ | : |
| Composite, current value | : 138.84 |
| Composite, acquisition value | : 64.03 |
| | : <u>Bushels</u> |
| | : |
| Yield per planted acre | : 109.28 |
| | : <u>Dollars/bu.</u> |
| | : |
| Variable | : 1.42 |
| Total, excluding land | : 2.24 |
| Total to a renter: | : |
| Share renter | : 3.40 |
| Cash renter | : 2.83 |
| Average renter | : 3.10 |
| Total, including land: | : |
| Composite, current value | : 3.71 |
| Composite, acquisition value | : 2.90 |

| Item | : Revised format |
|--|------------------------------------|
| | : <u>Dollars/ planted acre</u> |
| Cash receipts: | : |
| Corn | : 260.17 |
| Cornstalks | : 0 |
| Total | : 260.17 |
| Cash expenses: | : |
| Seed | : 16.28 |
| Fertilizer | : 52.36 |
| Lime | : 1.53 |
| Chemicals | : 15.49 |
| Custom operations | : 5.31 |
| Hired labor | : 0 |
| Fuel and lubrication | : 20.24 |
| Repairs | : 11.84 |
| Drying | : 8.58 |
| Purchased irrigation water | : .10 |
| Management fees | : 0 |
| Total, variable expenses | : 131.73 |
| Taxes and insurance | : 14.97 |
| General overhead | : 15.53 |
| Interest | : 42.02 |
| Total, fixed expenses | : 72.52 |
| Total, cash expenses | : 204.25 |
| Receipts less cash expenses | : 55.92 |
| Capital replacement | : 28.72 |
| Receipts less cash expenses and replacement | : 27.20 |
| Economic costs: | : |
| Variable expenses | : 131.73 |
| Taxes and insurance | : 14.97 |
| General overhead | : 15.53 |
| Capital replacement allowance | : 28.72 |
| Allocated returns to owned inputs: | : |
| Operating capital (equity) | : 7.48 |
| Other nonland capital | : 11.06 |
| Land | : 76.59 |
| Unpaid labor 1/ | : 14.99 |
| Residual to management and risk | : -40.90 |
| Net returns to owned inputs | : 69.22 |
| Price (dollars/bu.) | : 2.38 |
| Yield (bu./planted acre) | : 109.28 |

1/ Composites include land allocation at average of share rent, cash rent, and charge based on current or acquisition value of owner-operator land.

1/ For corn and most other crops this item includes hired labor (a cash expense) and unpaid labor; they could not be separately identified given available survey data.

STRUCTURE OF THE NEW AND OLD ACCOUNTS

only on the imputed value of each item in the production process, hence the term "economic."

Individual operators have many methods of allocating residual returns to cover the costs of owned or fixed resources. Some operators assign a proportionately large return to cover land costs and then leave a small return to unpaid labor; others may do the opposite. In the new format, the methodological procedure for allocating residual revenues to each asset uses the annual rate of return the producer could expect land, labor, and equity capital to earn in the current year. The return to management and risk is the residual amount after these deductions have been made. The return to management and risk can only be evaluated in light of the given allocation of residual returns. If another allocation procedure is employed, the returns to management and risk are not directly comparable unless the same procedure is used for those commodities.

In the long run, the return to risk is expected to average near zero. In any particular year, the residual return to risk could be positive or negative depending on weather and supply and demand factors. The return to management should be positive, but the level remains unknown. Therefore the residual return to both management and risk is expected to average above zero over time.

The value of an owner-supplied input's earnings is often difficult to determine. For example, one cannot easily assess the additional revenue earned when a producer invests more money in operating inputs rather than incurring additional short-term debt. The accounts in this report are calculated by assuming that the rational producer expects money invested in variable production inputs to earn at least as much as if it were placed in a savings account or similar financial instrument. Thus, the latter, relatively riskfree rate of return, which is the opportunity cost of these funds, is used to estimate the imputed annual return to invested operating capital. Because of the large number of financial instruments available to producers, the average 6-month U.S. Treasury bill rate is used.

A similar procedure is used to value the time the operator and other individuals work on the farm without being paid. At a minimum, their unpaid labor is worth the equivalent of the hired wage rate.

An additional return, reflecting the operator's entrepreneurial skill, is included in the residual return to management and risk.

The annual expected return the average producer might receive from capital invested in the remaining production assets used in the production process is estimated directly from data published in Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics (see ECIFS 2-2, October 1983). A single real rate of return estimates the annual earnings of owner-supplied or owned assets for all commodities in all regions. Data are not available to estimate rates specific to various commodities and regions.

PROCEDURE

ERS prepares and presents COP data in the form of an enterprise budget, which is a summary of all costs and returns associated with the production of an individual commodity. An enterprise budget is prepared on a per unit basis, such as one acre or one animal. Regional enterprise budgets are developed to represent average production input use and technology. A State enterprise budget is developed for each commodity for each major producing region and is weighted according to production to determine the regional and national average costs of production.

SRS draws the random sample of producers surveyed from all producers who have previously responded to acreage and production surveys. Farms are sampled so that each unit of production (an acre or animal) in the region has an equal chance of being included in the survey. Thus the survey data tend to represent the larger commercial farms because of their larger number of acres. For example, a farm with 400 acres of a crop has twice the probability of being sampled than a farm with 200 acres of the same crop.

Methods other than soliciting per acre or per unit costs directly from farmers are used because individual farmers often employ different accounting methods. Surveys determine the quantity of each input and describe field operations, the size and type of equipment, fertilization rates, seeding rates, custom operations, and listings of overhead items. This information complements other price and quantity data available from other surveys conducted by SRS. These additional data, which include crop acreages, crop yields, prices received for agricultural commodities, prices paid for agricultural inputs, and fertilizer use on some commodities, come from sample surveys and observations of sample field plots for yields. SRS also collects data on land values and rental rates.

Engineering relationships are then used to estimate fuel use, repairs, total labor for crop production, and machinery ownership costs. The economic engineering equations were developed by the American Society of Agricultural Engineers (ASAE).

These equations calculate machinery fuel and repair costs as well as replacement allowance (depreciation), interest, taxes, and insurance. These costs are based on the original price of the machine and annual hours of use. Formulas also estimate the required amount of labor needed to perform machinery operations. The amount of hand labor and the labor required for livestock production are obtained from COP surveys.

The surveys used to estimate the costs in this report were conducted as follows:

| Commodity | Production year | Survey months | Number of producers surveyed |
|---------------------------------------|-----------------|------------------------------|------------------------------|
| Peanuts | 1977 | Apr. & Mar. 1978 | 721 |
| Major crops | 1978 | Mar. 1979 | 5,460 |
| Rice | 1979 | Oct. & Nov. 1979 | 493 |
| Dairy | 1979 | Mar. 1980 | 2,096 |
| Sugar beets | 1980 | Oct. & Dec. 1980 | 774 |
| Sugarcane | 1980 | Oct. through Feb. 1980-81 | 97 |
| Sheep (Western) | 1980 | Mar. & Apr. 1981 | 528 |
| Hogs (North Central and Southeast) | 1980 | Mar. & Apr. 1981 | 1,288 |
| Beef cows | 1980 | Mar. & Apr. 1981 | 2,274 |
| Beef cattle feeders (Corn Belt) | 1980 | Mar. & Apr. 1981 | 200 ^a |

METHODS AND USE OF DATA FOR ESTIMATING COSTS AND RETURNS

This section outlines the procedures for estimating the various components of receipts, cash expenses, and economic costs, and demonstrates how the primary survey data are transformed into COP estimates.

Cash Receipts

Cash receipts consist of all current returns generated from producing the specific unit of commodity. Gains accruing from asset appreciation are not included. Cash receipts are a function of both yield and price. Weather is primarily responsible for yield fluctuations, and supply and demand factors are primarily responsible for the yearly price fluctuations. Because costs per acre have continuously increased over recent decades, the volatility of cash receipts is the primary cause of fluctuations in the amount of available cash and returns to management and risk. As a result, trend yields and prices can be compared to determine if any of these indicators are only temporarily depressed or if longer run problems are emerging.

Revenues generated from the sale of both primary and secondary products are included. Secondary products typically include cottonseed, the value of residue following crop production, or the sale of culled livestock. Additional revenues are added only when a secondary product exists. Nevertheless the total costs shown include the production of all products, because in most cases it is not feasible to estimate separately the costs for both primary and secondary products. Consequently the total revenues from all products and their associated total costs are presented.

The prices used in this publication are the harvest months' average prices received by farmers, because data on the marketing patterns and methods of storing and selling crop production are not currently available. Consequently the budgets exclude any additional revenues the farmer may have earned by storing the crop for later sales and the associated costs of storage. Future surveys will ask storage costs so that more readily available season average prices can be used.

Cash receipts can be based on either the seasonal average price received by farmers over the marketing period or the harvest period price. To be completely consistent, storage and marketing costs should be included in the budget if the seasonal average price is used. These costs, though, would not be included if the harvest period price were used to calculate cash receipts. Data on the type and number of storage facilities farmers use are not now available but will be obtained in future COP surveys.

The estimation of total returns also omits direct Government price support payments, except for wool. In the peanut, milk, and wool programs, the product price is supported by the Government through direct market intervention. As a result, the value of production reflects the combined market

price and masks Government payments. In contrast most crop price support programs are voluntary and contain special provisions for compliance. Both program payments and the costs of compliance need to be excluded when policymakers use cost and return information to determine if support prices will encourage or maintain production at adequate levels.

Cash Expenses

Cash expenses consist of both variable expenditures (those incurred only if production takes place in a given year) and fixed expenditures (items such as taxes, insurance, overhead, interest, rent, and lease costs for which the operator or landlord would be responsible whether or not the decision is made to produce a specific commodity).

Variable cash expenses include seed, fertilizer, lime and chemicals, custom operations, hired labor, fuel and lubrication, repairs, drying, ginning, purchased irrigation water, and hired management fees.

Data on seed quantities used per acre come from both Agricultural Statistics and COP surveys.^{1/} Seed prices include both purchased hybrid varieties and home-produced seed. With a crop such as corn that uses mostly hybrid seed, purchased seed prices are taken directly from State seed price estimates in Agricultural Prices. Estimated composite seed prices are used for home-produced seed. The composite prices are based on previous season average prices plus an allowance for cleaning and treating. Data on the share of seed purchased and home produced are taken from either Field Crops or survey data. The April Agricultural Prices report provides data on market prices for seed for spring-seeded crops; seed prices for fall-seeded crops are taken from the September report.

Fertilizer quantities for corn, cotton, soybeans, and wheat are obtained from the Fertilizer Situation report, which provides annual estimates of the quantity of fertilizer used by nutrient (nitrogen, phosphate, and potash), in major producing States. For other crops, data on fertilizer, lime, and gypsum use are taken from the COP surveys. Prices for all fertilizer materials are obtained from March Agricultural Prices.

Pesticide cost data are also collected in the COP surveys. Individually identified pesticides are not listed because of the large number of chemical compounds and trade names. In nonsurvey years, pesticide costs are adjusted by the index of prices paid for farm chemicals provided in Agri-

^{1/} All publications cited in this section are published by the U.S. Department of Agriculture.

cultural Prices, a procedure that excludes variation in quantities and location of use. Such variables affecting pesticide use and costs such as new chemicals, infestations of insects, disease outbreaks, unusual weed problems, or rotation changes have not been measured in nonsurvey years. However, because COP surveys are conducted to provide reliable estimates at regional and national levels, localized pesticide use changes may not substantially affect aggregate figures.

Pesticides are applied by both custom operators and farmers. In many cases, pesticide application is combined with another farm machinery operation. Also, some dealers sell pesticides and then rent applicators to farmers. Many custom operators charge a flat rate and do not provide a cost breakdown between application and material. Custom service cost estimates are derived from the COP surveys and are supplemented with State information whenever available. These rates are updated annually using a farm services and rent index published by SRS and published custom rate reports from individual States.

Data on hired labor and paid management fees are not currently available but are expected to be collected in future surveys. Until the amount of hired labor can be estimated, the return to unpaid labor in the economic cost section reflects the return to all labor involved in the production process. Similarly the return to management and risk also includes a return to both paid and unpaid farm managers.

The cash expenses for the above items are relatively easy to determine, but the procedure for calculating the cost of owning and operating machinery and equipment is more complex because every farm has a different age, size, and number of machinery and equipment items. In addition, most farms produce more than one commodity, and an allocation of machinery costs among commodities must be made according to the relative amount of machinery used for each commodity.

The COP estimates rely on the COP data to determine machine use, including size, type, and number of passes over the field. This survey information helps create a machinery complement for a region that contains up to 100 machines. The average number and size of machines necessary to produce a specific crop are then determined. Information is specified for the type of fuel used, age when purchased, length of life, total hours of annual use, and the list and purchase prices. Agricultural engineering formulas use this information to estimate fuel, repairs, machinery operation, labor, and ownership costs.

Machinery costs are computed on a per hour basis, and budget costs are based on hours of use of each machine, which in

turn, depend on the size of machine and the number of times the machine passes over the acre. Hours of machine time required are calculated through engineering performance equations. Theoretical machinery operation time is adjusted for lost time in turning corners, refueling the machine, and other adjustments. Per acre time requirements for each machine are multiplied by the number of times the machine moves over the field to determine total hours of use.

Fuel costs for tractors are related to power takeoff (PTO) horsepower size and fuel consumption at a 55- to 60-percent load rate. For other machines, fuel consumption is computed at the hourly rate specified for each machine. The total amount of fuel used for the production of the commodity is the sum of all the fuel used for each individual machine based on the required hours of use. Prices for fuels in each State come from the July issue of Agricultural Prices. These prices are adjusted for refundable Federal and State excise taxes.

List prices of machines are updated annually. The June annual summary of Agricultural Prices shows average prices paid for some farm machinery in each State. Prices of specialized machines and prices of optional equipment are not included in the SRS machinery price survey, so these data are supplemented with current price lists obtained from all major farm machinery manufacturers. Hours of use and engineering data determine tractor and machinery repairs.

Motor vehicle (trucks and pickups) costs are included in the machinery costs for fuel, lubrication, and repairs. Farm operators in the COP surveys provide vehicle sizes, annual mileage, and estimated hours of use to determine average hours of use per cropland acre. Vehicle costs in the budgets are estimated on an hourly basis and then multiplied by the estimated hours of use per acre.

For a few crops, drying expenses are based on an estimate of the percentage of the crop dried and the initial moisture content. Estimates of the percentages of crops dried in the Corn Belt, for example, come from special reports published by States. Great Plains estimates require consulting with University and Extension staff and analyzing results of special drying and storage studies. Annual updates reflect changes in fuel prices, yields, and initial moisture content. Similar calculations provide estimates of ginning costs.

COP survey data determine irrigation costs. In ground-water (well) regions, procedures for estimating costs are similar to those used for machinery. Analysts obtain data on average

well depth, pumping rates, and distribution system type. Irrigation equipment, power units, and the distribution system, including the well, appear as part of a special irrigation complement. ERS also gathers power unit, distribution system, and well-drilling prices from State Extension Service budgets, State irrigation data, equipment dealers, and private companies. Irrigation fuel, repair, and labor costs are included in machinery costs estimates. Costs of purchased irrigation water appear separately.

General farm overhead includes electricity, telephone, office supplies, fees and dues, water drainage, liability insurance, fence repairs, and general business expenses. Costs for these items are collected from the Farm Production Expenditures Survey (FPES) and divided among the respective commodities on the basis of total receipts of the farm.

Livestock cash expenditures include labor, feed (purchased and homegrown) hauling, breeding, veterinary fees and medicines, fuel and lubrication, machinery repairs, general farm overhead, and miscellaneous items.

Farmers use grains and forages raised on the farm as the primary source of feed in most livestock-producing areas. COP surveys provide data on the amounts of farm-grown and purchased feed. Farm-grown forages are priced at their cost of production, and purchased forages are valued at a market price. Purchased feed is usually limited to commercial feed mixes, supplements, and other minor feed items but includes forages in many regions. ERS updates prices for each type of farm-grown feed, annually, using regionally weighted indexes. Commodity-weighted indexes and SRS price data determine the price of purchased grains fed. Grain for feed reflects market price rather than production cost. Updated commercial (mixed) feeds use the prices for 14-percent protein feed. SRS collects data on prices of baled hay to update the purchased forage prices.

COP surveys provide data on livestock hauling and regional livestock transportation costs and updates them by using a weighted average of the farm and motor supplies index (70 percent) and the fuels and energy index (30 percent) as reported in Agricultural Prices.

COP surveys also collect veterinary and medical expense data. The updating procedure reflects a weighted average of the nonagricultural hourly wage rate index (70 percent) and the agricultural chemicals index (30 percent).

COP surveys collect breeding fees and miscellaneous expenses data. Annual updates for these items are made using the "all

production items" index in Agricultural Prices. Fuel and electricity consumption rates per hour for operating special dairy equipment came from an unpublished study of energy use on dairy farms.

COP surveys measure livestock enterprise labor data. Hired labor is explicitly stated as a cash expense; hired labor used to produce farm-grown feed appears in the feed costs. The economic cost section carries unpaid labor (for the enterprise and for any farm-grown feed).

Fixed cash expenses consist of taxes, insurance, interest, rent, and lease costs. Taxes include personal property taxes on machinery and real estate taxes. Basing insurance and personal property tax estimates on current machinery and livestock prices can change this component of total cost. Therefore tax and insurance costs for machinery are first computed on the basis of current machinery prices and then lagged 4 years, which assumes that major high cost items in the machinery complements, such as tractors, are owned by the average commercial producer for about 8 years.

The annual FPES provides data on cash interest expenses. Cash interest expenses for the farm are calculated separately on nonland and real estate categories but reported here as a total of both. Real estate interest consists of payments on loans secured by real estate. Interest on all other loans falls under the nonland category. The amount in each of these categories is allocated to the enterprises based on the contribution of each enterprise to total farm receipts.

ERS estimates the costs of machinery, equipment, and breeding livestock at current prices. Thus capital "replacement" represents a charge sufficient to maintain average machinery investment and production capacity through time.

Replacement costs associated with breeding stock are included in the budgets. The worth of purchased breeding animals depreciates to their salvage value. The number of years over which the animal's value depreciates varies by region and species. Animals used for replacement, but raised on the farm, are not depreciated. However, the cost of raising these replacements is included in the budget. Depreciating raised replacements would be double counting.

Economic Costs

Estimated economic costs allow comparison of commodity returns across varying levels of equity and tenure. Fixed assets, such as land, machinery, equipment, breeding livestock, and labor, are not valued at their acquisition costs. An average operator could expect these inputs to receive an annual return equal to their opportunity costs in alternate uses, exclusive

of asset valuation changes due to deflation. Thus, whether a producer purchased land a long time ago or just recently, the economic cost of land is the same because the average operator can only expect land to generate a certain income over time based on its average rate of return.

The rate of return is calculated from earnings on the current production process. Any earnings from price appreciation (capital gains) or depreciation are not included here or in the value of production or receipts section. To calculate the rate of return for a given year, take the average of the previous 20-year total return to production assets in the agricultural sector, subtracting the value of the operator's labor used each year, and divide by the respective value of production assets. All three series appear in Economic Indicators of the Farm Sector: Income and Balance Sheet Statistics.

The 20-year average calculated rates for 1971-82 are:

| <u>Year</u> | <u>Percentage</u> | <u>Year</u> | <u>Percentage</u> |
|-------------|-------------------|-------------|-------------------|
| 1971 | 3.71 | 1977 | 4.29 |
| 1972 | 3.62 | 1978 | 4.30 |
| 1973 | 3.66 | 1979 | 4.29 |
| 1974 | 3.97 | 1980 | 4.40 |
| 1975 | 4.11 | 1981 | 4.37 |
| 1976 | 4.25 | 1982 | 4.36 |

Variable expenses in the economic cost section are the same as those shown in the cash expenses section and taxes and insurance are also included. The capital replacement allowance is identical to that listed in the cash expenses section. The remaining return after subtracting these items is allocated to operating capital, unpaid labor, other nonland capital, land, and management and risk because the costs of these items are not determined during every period of production through market transactions and, therefore, must be imputed.

Interest on operating capital is charged on the cost of all variable inputs from the month of use to the harvest month. For example, seed corn is purchased and planted in April-May,

and the crop is harvested 6 months later in October-November. The charge for annual capital needed for operating inputs is determined using the 6-month U.S. Treasury bill rate. The opportunity cost of investing money in operating inputs is assumed to be that rate.

The expected rate of return generated by agricultural production assets determines the allocated return (cost) of land and capital invested in the remaining nonland factors of production. ERS reports the current value of land each year in a special survey of land values. The annual earnings a producer can expect land to generate can be calculated by multiplying the average current land value by the rate of return to all production assets, 4.37 percent in 1982. The total value of all nonland assets including machinery, equipment, and breeding livestock is calculated in a similar manner and then multiplied by the same rate of return (4.37 percent) to determine the annual cost amount.

Livestock budgets contain land charges for feed production by using either market prices for feeds or costs of production, whichever is applicable. For dairy, land occupied by the barnyard and farm buildings receives a cost in the allocated returns section because the cost of land associated with feed production is already covered.

Machinery labor requirements for each budget are related directly to machinery time requirements. Labor is assumed to equal 110 percent of tractor use time (in the case of pulled implements) and 120 percent of self-propelled implement use time. Because tractor use time is 110 percent of pulled implement time, labor associated with tractors and implements is 121 percent of the implement use time. Total hours of labor equal the sum of all machine, irrigation, and livestock labor. Additional labor may be added to the budgets where applicable for irrigation or other hand operations as determined by COP survey data.

Wage rates for labor estimates are based on data published in Farm Labor. The wage rate is the sum of the State's annual average hourly rate for "all hired farm workers," plus the employer's share of social security taxes. Any expenses for hired labor are subtracted from total estimated labor cost to leave a return to unpaid labor provided by the operator, family, or others.

1982 COSTS OF PRODUCTION (see crops and livestock maps, pp. 30-39)

During 1982 the farm economy continued a sluggish recovery which began in 1980. Inflation, using the gross national product (GNP) price deflator, moderated to 4 percent compared with 9.2 percent in 1981. The prices farmers paid for

their production items increased only 3.3 percent in 1982--significantly below the rate of inflation in the rest of the U.S. economy. However, the prices received by farmers declined 0.8 percent.

As expected, not all farm operators were affected equally by the changes in input prices because each commodity required a specific mix of inputs for production. Input prices failed to follow the same trend during the past few years. The prices of inputs originating on the farm actually fell in 1982. At the same time, the price of manufactured or nonfarm origin inputs again rose, though at a reduced rate when compared with 1980 and 1981:

Changes in prices of selected input items, 1980-82

| Input | : | 1980 | 1981 | 1982 |
|------------------------|---|------|---------|-------|
| | : | | | |
| | : | | Percent | |
| Farm origin: | : | | | |
| Corn | : | 23.4 | -21.2 | -6.1 |
| Sorghum | : | 25.6 | -23.4 | 2.2 |
| Oats | : | 33.8 | 4.4 | -23.7 |
| Soybean meal | : | 20.0 | -16.4 | -4.1 |
| Feeder livestock | : | -4.0 | -7.4 | -.2 |
| | : | | | |
| Nonfarm origin: | : | | | |
| Wage rates | : | 8.0 | 7.6 | 0 |
| Interest/acre | : | 24.2 | 8.9 | 11.8 |
| Taxes | : | 6.1 | 9.7 | 5.6 |
| Buildings | : | 7.8 | 4.7 | 1.0 |
| Autos | : | 5.5 | 16.4 | 11.2 |
| Tractors | : | 11.9 | 11.6 | 8.2 |
| Other machinery | : | 11.3 | 10.4 | 9.3 |
| Farm supplies | : | 17.0 | 9.3 | 4.0 |
| Fuels | : | 37.7 | 13.4 | -1.8 |
| | : | | | |
| Agricultural chemicals | : | 6.7 | 8.4 | 7.9 |
| Seed | : | 8.1 | 16.6 | 2.2 |
| Fertilizer | : | 24.4 | 7.3 | .3 |
| | : | | | |

Record crop yields offset increases in per acre costs for corn, barley, oats, wheat, soybeans, flaxseed, peanuts, and cotton in 1982. Yields declined for sorghum, rice, and sunflowers. Larger stocks and abundant world supplies dropped market prices for all crops except cotton and sorghum. The

residual returns to management and risk declined in 1982 for all 11 crops.

Feed prices for corn, grain, and protein supplements declined in 1982 following an 8-percent gain in 1981. For many livestock and milk producers, feed accounted for nearly half of total production costs. However, interest rates fell throughout the year which reduced borrowing and ownership costs.

Livestock producers, notably hog and milk producers, earned higher returns to management and risk in 1982 than in 1981 and 1980. The prices livestock producers received for their products were steady to higher; hog prices showed the largest increase at almost 30 percent. Returns to management and risk for hog producers increased 131 percent; cattle and sheep returns increased 32 percent; and milk returns rose 2 percent.

Crops

Corn--Per acre cash receipts from corn production declined and cash expenses increased in both 1981 and 1982. Hence, net returns to owned inputs fell from \$107 per acre in 1980 to \$69 in 1981 and to \$48 in 1982, leaving the residual return to management and risk at a negative \$41 per acre in 1981 and a negative \$61 in 1982.

Per acre variable expenditures on corn increased by less than 1 percent in 1982. Costs of seed, chemicals, machinery repairs, and custom costs rose, fertilizer costs decreased by 6 percent, and fuel costs remained constant. Fertilizer prices were nearly the same in 1982 as in 1981, but fertilizer use declined.

Machinery replacement costs increased 10 percent mainly reflecting higher machinery prices. Machinery use increased in 1982 because of higher yields.

Record corn yields for grain in 1982 spurred record-high production. The U.S. average yield per planted acre increased by 5.4 bushels to 114.6.

Per acre variable production costs declined in the Southeast primarily because of substantial cuts in fertilizer use. Yet, growers increased yields by 22 bushels per acre which reduced per bushel costs. In the Southwest, costs rose mainly because of increased fuel costs, mostly electricity, for pumping irrigation water.

Grain Sorghum--Because the price of grain sorghum dropped, net returns to owned inputs declined considerably in all areas in 1982. Net returns declined nationally by \$25 per acre, leaving the residual return to management and risk at a negative \$65 per acre.

Per acre variable production costs for sorghum increased 4 percent. Costs of seed, chemicals, and machinery repairs increased. Fertilizer costs remained constant in 1982 because of constant levels of fertilizer use and prices. Drying costs declined slightly because of lower yields.

Sorghum yields declined 3.8 bushels per planted acre in the Central Plains and 5.2 bushels per acre in the Southern Plains. Yields increased 4.4 bushels on irrigated Southwest acreages.

The decline in yields in the two major producing regions reduced per acre costs but lifted per bushel costs. In the Central Plains, for instance, variable costs per bushel rose 9 percent.

In the Southwest, fuel costs declined because of a 50-percent decline in sorghum acreage in the higher pumping cost area of Arizona. Sorghum acreage increased in California.

Barley--National gross receipts per acre decreased by \$3 in 1982 after an increase of \$6 in 1981. Cash expenses and machinery replacement costs both increased by \$2 per acre in 1982, and returns to owned inputs declined by almost \$9 per acre. Per acre variable expenditures for barley increased by only 3 percent in 1982. Costs rose for fertilizer, chemicals, custom operations, repairs, and costs for pumping irrigation water. Seed costs declined by about \$1 per acre due to declines in barley prices.

Barley production hit a record high in 1982 because of record yields. The U.S. average yield per planted acre increased 4.8 bushels. The yield increase more than offset the cost increases, and per bushel costs declined in 1982.

This pattern of small per acre cost increases but substantial yield increases spanned all major production regions except the Southwest where cost increases reached about 10 percent.

Oats--The decline in the price of oats pushed down cash receipts almost \$18 per acre in 1982. Cash expenses stayed about the same, but other fixed costs increased so that returns to owned inputs declined about \$19 per acre at the national average.

Per acre variable costs of producing oats declined slightly in 1982 because of a shift in acreage. In 1982 production expanded considerably in the Lake States-Corn Belt region and in the Northern Plains, but acreage declined in the Northeast. Production shifted to lower cost producing regions triggering

a reduction in the national average per acre production costs.

Oats production increased 21 percent in 1982. The area harvested rose 12 percent, and farmers reported a record yield of 54.8 bushels per planted acre. Yields decreased in the Northeast region and the Lake States-Corn Belt region in 1982, but increased 26 percent in the Northern Plains.

Evaluating the production costs for oats must include straw as a secondary product. For the United States as a whole, the value of straw in 1982 was estimated at \$26.54 per acre compared with \$77.16 per acre for oats. Twenty-six percent of the total value of oats is derived from the straw, and a similar proportion of the expenses should be charged against the straw. If straw is ignored, then it would appear that the variable per bushel costs are considerably higher in the Northeast than in the other regions. But the Northeast's straw is 41 percent of the total value of production. After accounting for this straw value, the cost per bushel for oats in the Northeast is comparable with that of other regions.

Wheat--The prices of all types of wheat declined in 1982. Thus, despite yield increases, total receipts on the national level declined almost \$4 per acre. This, coupled with slight cost increases, pushed down returns after cash expenses by about \$6.50 per acre.

Production of all wheat in the United States hit an all-time high of just over 2.8 million bushels in 1982. A record yield of 32.6 bushels per planted acre was offset slightly by reduced acreage. Per acre variable production costs for 1982 for all wheat fell about 1 percent from 1981. Seed prices decreased following the decline in wheat prices; fertilizer and fuel costs dipped slightly. Machinery repair costs led the rate of increase, followed by increases in custom operation and chemical costs.

The decline in fertilizer costs was partly due to a decline in use. Nitrogen use on wheat was about the same as in 1981; however, phosphate use declined approximately 3 pounds per acre and potash use fell a dramatic 21 pounds in 1982.

Because of good wheat yields in 1982, variable production expenses per bushel declined slightly. Per acre costs of raising winter wheat were about the same in 1982 and 1981.

Seed and fertilizer costs declined slightly, but repairs increased over 10 percent and custom operation costs increased slightly.

Winter wheat yields increased to 29.9 bushels per planted acre, up 14 percent from 1981, pushing down per bushel costs.

Yields of hard red winter wheat declined 8 percent in the Southwest and per acre variable costs increased 5 percent. Hence, variable costs per bushel increased 15 percent.

U.S. production of soft red winter wheat has fluctuated over the last few years. From 435 million bushels in 1980, it hit 676 million bushels in 1981, but fell to 610 million bushels in 1982. Much of the increased production spanned the southeastern States where winter wheat is grown mostly as a double crop with soybeans, thus reducing land costs.

Per acre variable production costs for soft red winter wheat declined substantially in 1982 because of a reduction in fertilizer use. Seed costs also dropped about 10 percent. Costs of other inputs increased, including chemicals, machinery repairs, and custom operations. Per acre costs of producing hard red spring wheat increased about 2 percent, but yields increased 11 percent, which reduced costs per bushel. Costs of producing durum wheat decreased in 1982. Per acre costs declined slightly and yields increased cutting into costs per bushel. White wheat costs increased per acre and yields declined, pushing up variable production costs by almost 14 percent.

Rice--Rice prices declined 26 percent in 1982, and national average receipts fell \$134 per acre. Thus, returns to owned inputs declined from \$168 per acre in 1981 to \$27 per acre in 1982.

Rice production declined 16 percent from the 1981 record production because of a decline in acreage. Rice acreage harvested fell about 500,000 acres in 1982, and yields decreased about 1.5 percent from 1981 levels.

Per acre variable production costs increased for chemicals, irrigation water, custom operations, drying, and machinery repairs in 1982. Per acre costs of seed declined because prices dropped; use of fertilizer and fuel and lubrication also dropped.

Seed price declines reduced per acre variable production costs in Arkansas and the Mississippi Delta. Variable costs increased in California, reflecting rising custom operation and repair costs.

Soybeans--Gross receipts from the production of soybeans declined about \$16 per acre in 1982, variable costs declined \$2 per acre, and fixed costs increased. Thus, per acre returns to owned inputs decreased about \$18 per acre.

Variable costs declined in the price of seed, in the quantities of fertilizer used, and in prices of fuel and lubrication. Chemical costs increased by about \$1 per acre, and other costs rose in custom operations and machinery repairs.

Soybean production reached a record high in 1982 because of a 7-percent increase in harvested acreage and a yield increase of almost 2 bushels per acre compared with 1981. Yield increases covered all the major production regions except the Northern Plains. The combination of declining per acre variable costs and increasing yields dropped the per bushel variable production costs by almost 9 percent in 1982.

Sunflowers--Per acre receipts declined \$20 in 1982, and total cash expenses increased about \$2. Thus net returns to owned inputs (and hence the residual return to management and risk) declined by \$22 per acre in 1982.

Sunflower production increased 27 percent from 1981 to 1982. Harvested acreage rose 29 percent from 1981, and yields were down slightly. Per acre variable production costs remained almost constant. Fertilizer prices dropped slightly; however, they were offset by slight increases in chemical and custom operation costs. Fuel costs also declined slightly but were offset by rising machinery repairs. On a per hundredweight basis, variable production costs increased by slightly less than 3 percent in 1982.

Peanuts--Per acre costs of producing peanuts declined considerably in 1982 mainly because seed peanut prices fell. Prices of seed peanuts increased dramatically in 1981 after the 1980 drought and poor yields; conditions improved in 1981 so prices declined in 1982 dropping seed costs by almost \$40 per acre. Other cost savings occurred in fertilizer, lime, gypsum, and fuel costs which were offset largely by increases in costs of repairs and chemicals.

U.S. peanut production declined 14 percent in 1982 because harvested acreage declined. The 1982 peanut crop, on the smallest acreage since 1933, produced record-high yields.

Regional yields were exceptionally good in the lower Southeast but declined in the Southern Plains, Virginia, and North Carolina.

Flaxseed--The price of flaxseed declined by 45 cents per bushel in 1981 and another \$1.25 in 1982. Total cash costs increased only about \$1 per acre, so that net returns to owned inputs declined by more than \$9 per acre in 1982.

All reported flaxseed production was grown in Minnesota, North Dakota, and South Dakota. Flaxseed acreage, declining for many years, reversed the trend in 1982 with a 33-percent increase to 680,000 acres. Yields increased 1.4 bushels, or 12 percent, above 1981 levels, averaging 13.5 bushels per planted acre.

Per acre variable production costs declined slightly in 1982 because costs of seed and fertilizer dropped. Machinery repairs and chemicals costs increased. The resulting variable cash costs, on a per bushel basis, declined by about 12 percent.

Cotton--The price of cotton lint declined by about 20 cents per pound in 1981 but recovered slightly (3.4 cents per pound) in 1982. This increase about offset the yield decrease, so that receipts from lint increased only about \$4.50 per acre. Receipts from cottonseed dropped because both yield and price declined. Thus total per acre receipts declined by about 1 percent in 1982. Cash expenses increased about \$9 per acre, and returns to owned inputs dropped by \$10 per acre.

The national cost estimates for cotton present an inadequate regional picture of what happened in 1982. All States in the Southeast and Delta regions recorded record high yields, but yields in Texas, Oklahoma, and New Mexico were very disappointing. In the Texas High Plains, a very large area of planted cotton was destroyed by early rains and bad weather; much of it had to be replanted, and many acres were abandoned, resulting in a 37-percent reduction in yield per planted acre.

Per acre costs of producing cotton are directly related to harvesting and ginning costs. Nationally, per acre variable production costs increased by \$5 per acre because of rising costs of chemicals and machinery repairs. Fertilizer prices and consumption both were down in 1982.

The overall yield decline in 1982 was relatively small at about 4.5 percent a planted acre. This slight decrease, along with per acre cost increases, pushed up per pound costs by about 7 percent.

Fall Potatoes--Costs for producing Fall potatoes were not obtained from the COP survey. Data from a 1976 USDA survey served as the basis for the estimates of input use in develop-

ing potato costs. Typical practices and performance data recorded for 1976 were used as first estimates for 1980 rates. These estimates were evaluated and refined through an informal survey of producers, potato extension specialists, researchers, and farm suppliers during the summer of 1980 to determine if changes had occurred since 1976. Wisconsin was not included in the 1976 survey, so all input data were based on the 1980 informal survey. Analysts estimated costs for 1981 and 1982 by multiplying each 1980 cost component by the percentage change in the price index for that component for each year from 1980-82.

The cost estimates included expenses for growing, harvesting, and loading into storage or into a highway tractor trailer. Storage, grading, and packing costs are not included. Cash receipts were based on selling potatoes in bulk out of the field at harvesttime. Most Fall potatoes are stored and marketed later at higher prices.

The per acre variable expenditures for Fall potatoes decreased 6 percent in 1982. Seed expenses, which fell 30 percent from 1981, became the principal source of the lower cost. Variable costs other than seed increased 4 percent. Per acre yields remained almost unchanged in 1982. Thus slightly reduced prices cut into lower average cash receipts. In Maine lower price and lower yield meant a 29-percent decline in receipts per acre; receipts less cash expenses per acre were -\$62.10.

Sugar Beets--Gross receipts increased by \$70 per acre when sugar prices rose in 1982. Although sugar beet yields dropped, returns to owned inputs went up \$68 per acre and provided a substantial residual return to management and risk.

U.S. sugar beet production declined by 23 percent between 1981 and 1982 because acreage and yields decreased. Farmers planted 15 percent less acreage in 1982, and production disappeared completely in Ohio. The national average yield dropped 9 percent in 1982 and declined in all States except Minnesota.

Per acre variable production costs for sugar beets were virtually unchanged between 1981 and 1982, principally because 36 percent less acreage was planted in California where per acre costs were highest. Costs of seed, chemicals, labor, and repairs increased, and costs of fertilizer, irrigation water, custom operations, and fuel and lubrication decreased. Per acre variable costs in 1982 ranged from \$215 in Minnesota

and North Dakota to \$521 in California and Arizona. The Michigan-Ohio area was the only region that showed a decline in costs in 1982.

Sugarcane--Increases in sugar prices and cane yields pushed per acre receipts up nearly 19 percent. This increase in receipts more than offset the increase in costs, partly because of larger yields, resulting in an increase of \$99 per acre in returns to owned inputs. Despite this increase, residual returns to risk and management were still negative.

Although cane acreage harvested for sugar increased less than 1 percent, U.S. sugarcane production increased 9 percent between 1981 and 1982. The increase stemmed from an average per acre yield upturn of 8 percent.

Per acre variable costs for sugarcane increased 9 percent between 1981 and 1982. All variable expenses, except seed and fuel and lubrication, showed increases. Labor costs increased the most. Per acre variable costs in 1982 ranged from \$265 in Louisiana to \$2,430 in Hawaii. Per net ton costs ranged from \$9.60 in Louisiana to \$24.65 in Hawaii.

Livestock

Cow-Calf--Cash receipts from the sale of feeder calves, yearling feeder cattle, and culled cows produced by the average size and type cow-calf enterprise in the United States barely covered out-of-pocket production expenses in 1982. Only 37 cents per brood cow was available after total cash expenses were paid. Capital replacement costs, which amounted to nearly \$62 per cow, were necessary to compensate the average cow-calf producer for the services of owned inputs allocated to the enterprise.

In 1982 cattle sales receipts dropped about \$5 per cow from 1981, primarily because of lower prices received for yearling feeder cattle. Total cash expenses per cow had dropped nearly \$4 in 1981, when smaller outlays for taxes, insurance, general farm overhead, and, especially, interest on borrowed funds, more than offset higher feed costs attributable to higher grain and protein supplement prices. The average replacement cost of capital in 1981 was estimated at slightly more than \$59; however, only \$9 above cash costs was available to contribute to the replacement reserve.

Nineteen eighty-one was the second consecutive year during which cattle sales receipts could not cover cash expenses and the cost of replacing capital items used in the production process. Under these conditions, producers whose costs and returns are no better than breakeven must either subsidize the

cow-calf enterprise with funds from some other source or curtail output, for example, by retaining fewer heifers to replace brood cows which are culled or die. The reductions in the national inventory of beef cows which began in 1982 indicate that producers are responding to economic stress by reducing herd size.

Even in 1980, when the average cow-calf enterprise provided a positive cash balance of \$81 per cow, producers received much lower returns to the inputs that they devoted to feeder cattle production than was yielded by other agricultural production enterprises. Cattle sales in 1980 amounted to \$307 per cow and total economic costs for purchased inputs and replacements stood at \$251, yielding net returns to owned inputs of \$56 per cow. Returns to similar types and quantities of owned inputs devoted to all types of agricultural production amounted to about \$253, the sum of the values for operating capital, other nonland capital, land, and unpaid labor. Thus, in 1980, the average producer received \$197 less for the inputs allocated to each brood cow in the herd than might have been expected from agricultural production in general, based on historical results. By 1982 the discrepancy had increased to \$289 per cow. This indicates that, given the economic conditions that existed in 1980-82, too many resources were devoted to cow-calf production or that those resources were overvalued. Few short-term alternatives exist for some of the resources used in cow-calf production, such as rangeland and fences, so adjustments probably will occur slowly.

Cow-calf producers with herds of 100 to 499 brood cows sold more pounds of feeder cattle (calves and yearlings combined) per brood cow each year during 1980-82 than producers with either smaller or larger herds. Prices received for each class of cattle varied relatively little with size of enterprise, so producers with medium-sized herds had the highest cash receipts per cow. By contrast, production costs per cow declined consistently as herd size increased. Thus 1982 sales receipts of producers with herds of 500 or more cows averaged only about \$7 per cow less than the sum of cash expenses and capital replacement costs, compared with average deficits of \$37 and \$87 per cow for producers with herds of 100 to 499 and fewer than 100 cows, respectively.

The fact that higher proportions of beef cows are in medium- or large-sized herds in the Great Plains and West than in the South and North Central regions helps to account for regional differences in average costs of producing feeder cattle. Total cash expenses plus capital replacement costs per cow in 1982 ranged from less than \$315 in the Great Plains and West to \$345 in the South. Two primary forces help to account for

the \$100 per cow difference in net receipts between the South and Great Plains in 1982. Cattle feedlots, concentrated in the Plains and West, are the principal source of demand for feeder cattle. Thus the costs of transporting feeder cattle produced in these regions are lower. Also prices received for feeder cattle are usually higher than in the North Central and Southern regions.

Fed Beef--Returns to cattle feeding in 1982 were better than during the previous 2 years of cash losses, but they still averaged only enough to cover cash costs and an allowance for capital replacement. Commercial feedlots got less than \$1 per hundredweight of sales above cash costs, but their relatively low fixed costs left a small margin over total costs. Farmer feeders covered cash costs by more than \$3 per hundredweight of sales, but fell below the breakeven point because of high fixed costs.

Gains made in 1982 by cattle feeders came solely through reduced operating costs.* Prices for slaughter cattle averaged about \$64 per hundredweight, the same as in 1981 and about \$3 less than in 1980. Feed costs, however, declined 14 percent in 1982 compared with 1981, and feedlots paid nearly 10 percent less for feeder cattle. Overall, cash operating costs fell 10 percent in 1982 when the cost of other inputs increased only moderately.

Farmer cattle feeders whose feedlots numbered fewer than 1,000 head and were located mostly on grain farms in the Midwest, sold over 60 percent of all fed cattle in the mid-sixties. By the late seventies, total fed cattle production had increased by more than 30 percent. Farmer feeders, however, had dropped by nearly half in number to about 100,000 (nearly half of these farmers feed fewer than 20 head a year), cut production by over 30 percent, and accounted for little more than a fourth of total production of fed cattle. Some 2,100 to 2,200 commercial feedlots produced 75 percent of the total.

Economies of size have hampered farmer feeders compared with commercial feedlots. Farmers typically hold a cost advantage in annual cash operating expenses, as during 1980-82, because of home-produced feedstuffs and use of unpaid operator and family labor. Capital costs mostly devoted to storage and housing are far greater for farm than commercial feedlots shifting the economic advantage to commercial feedlots over time.

Economies of size are at work even within the farmer feeder group. In 1982 the largest volume farmer feeders (those with annual sales of 500 or more fed cattle) got nearly \$5

1982 COSTS OF PRODUCTION

more above cash operating costs for each hundredweight of sales than farmers who fed 20 to 100 cattle. The difference in returns between large and small farmer feeders stretched to more than \$13 per hundredweight of sales when all costs were counted. Only the largest feeders managed to cover total costs.

Hogs--Hog producers moved from 3 consecutive years of losses to one of the most profitable years on record in 1982. Receipts per hundredweight of sales averaged \$13 above cash expenses on farms with farrow-to-finish enterprises, which account for 75 percent of all slaughter hogs. Returns also covered allowances for all noncash costs, including capital replacement, leaving a sizable return for management and risk.

Good returns in 1982 were traced to a rare combination of high prices and low costs. Total pork production in 1982 dipped more than 10 percent compared with the output of a year earlier, and over 14 percent off the record supply of 1980. The price of slaughter hogs moved above \$60 per hundredweight in the third quarter of 1982 when producers began to save more gilts to expand production, and averaged about \$55 for the year--25 percent more than in 1981 and nearly 40 percent above prices received in 1980. Cash costs for farrow-to-finish producers dropped 8 percent from 1981 because of a 14-percent decline in feed costs stemming from the large crops of 1981 and 1982 coupled with more modest increases in the costs of nonfeed inputs than in recent years.

Pig producers and pig finishers also fared well in 1982. Producers who raised feeder pigs earned more than \$24 above cash costs per hundredweight of sales. Finishers had an exceptionally favorable hog-corn price ratio, and bid pig prices to an average of \$1.06 per pound for the year--41 percent above 1981 prices and 67 percent above 1980 prices. Returns per hundredweight of sales, though a bit short of providing a return to management and risk on the average farm, were \$30 to \$35 better than during the 2 previous years (both of which resulted in cash losses).

Pig finishers were somewhat pinched by the much higher prices of feeder pigs in 1982, but lower costs, especially for feed, enabled the average finisher to make more than \$5 above cash costs for each hundredweight of sales, more than enough to cover all other costs. Finishers lost money in both 1980 and 1981, but losses moderated somewhat from much lower prices paid for pigs in 1982.

Hog producers fared well in both of the major production regions in 1982; North Central producers of slaughter hogs

made more money than those in the Southeast. Farrow-to-finish and pig-finishing enterprises averaged \$2 to \$4 more per hundredweight of sales in the North Central region than in the Southeast region, largely because of differences in feed costs.

Feeder pig producers in the Southeast region earned more in 1982 than those in the North Central region because of strong demand. However, Southeastern producers had fallen well behind North Central producers in the loss years of 1980 and 1981, mainly because of the very weak market for feeder pigs.

More than 2 million farmers produced hogs in 1950, mostly on small, similarly run enterprises. Total production had remained about the same in 1982, but only about a fifth as many producers remained in business. Production is becoming increasingly concentrated in the larger operations. Only about 3 percent of all producers turn out 1,000 hogs or more, annually, but they generate close to half of total output.

Mid- to large-sized hog operations have economic advantages over smaller ones in the use of capital intensive technologies and advanced systems of management. In 1982 producers selling 3,000 to 10,000 hogs from farrow-to-finish enterprises earned nearly \$4 more above cash costs per hundredweight of sales than did producers with sales of 100 to 500 head. The margin of returns for management and risk increased to about \$12. The larger volume producers made more effective use of their resources, even using the most advanced capital intensive technologies at a lower cost per unit of production than small-volume producers using less advanced systems. They also paid lower prices for some of the inputs used in feeder pig production and pig finishing in 1980 and 1981 for all types of hog enterprises.

Sheep--The highly profitable position of the sheep industry of just 3 years ago disappeared when lamb prices declined in response to expanded production. Sheep and lamb output for 1979 totaled 355,000 tons. By 1982 increased sheep inventories yielded 387,000 tons, a 9-percent expansion in 3 years. In the absence of a growing demand, the added output was marketed at the expense of lower farm level prices.

Average cash receipts per ewe in production was \$50.58 in 1980 but dropped to \$47.20 by 1982. Lower sheep and lamb prices were partially offset by increased revenues from wool. The wool incentive payment rate increased, giving producers larger wool incomes.

Total cash expenses per ewe increased from \$36.94 to \$41.18 during 1980-82. Inflationary pressures in the economy affected most input costs.

The continued effect of lower prices and rising costs resulted in lower producer returns after expenses from sheep production. Returns after paying cash expenses dropped from \$13.64 to \$6.02 per ewe between 1980 and 1982.

Lower returns since 1979 have dampened much of the enthusiasm which prompted the expansion in sheep inventories. The 1983 stock sheep inventories fell below that of 1982. Inventory reductions are expected to continue for the next few years, which could reduce the downward pressure on sheep and lamb prices, leading to price increases.

Milk--Total cash expenses for the dairy enterprise averaged \$9.61 per hundredweight of milk in the United States in 1982 compared with \$9.70 in 1981. Total variable cash expenses alone were \$7.26 per hundredweight in 1982, down from \$7.45 in 1981. Feed costs, the largest component of costs, decreased in 1982, but some other variable costs were up slightly.

Fixed cash expenses of \$2.35 per hundredweight in 1982 were up from \$2.25 in 1981 because of higher interest expenses. Economic costs include placing a value on inputs and resources required in current milk production regardless of the equity position of the resource owner. In 1982 costs were \$9.64 per hundredweight compared with \$9.91 in 1981.

Gross dairy enterprise receipts (from sales of milk, culled cows, calves, and replacements) received by farmers averaged \$14.66 per hundredweight of milk produced in 1982, down 1.9 percent from 1981 receipts of \$14.94. Fluid milk sales accounted for about 92 percent of dairy revenue during 1981-82 and sales of culled cows, calves, and dairy replacement contributed the remaining 8 percent.

After accounting for cash expenses of \$9.61 in 1982, dairy farmers received a return of \$5.05 per hundredweight compared with a return of \$5.24 in 1981. After accounting for cash expenses and capital replacement reserves, returns received by farmers averaged \$3.47 in 1982 compared with \$3.60 in 1981. Net returns to owned inputs (capital, land, unpaid family labor, management, and risk) amounted to \$5.02 in 1982 compared with \$5.03 in 1981.

Milk prices received by farmers, milk production costs, and net returns to owned inputs varied greatly among regions. In 1982, for example, total cash expenses varied from a low of \$9.02 per hundredweight in the Upper Midwest region to \$11.98 in the Southern Plains. Net returns to owned inputs of \$5.61 per hundredweight were highest in the Upper Midwest and lowest in the Appalachian region. Residual returns to management and risk (60 cents per hundredweight) were lowest in the Corn Belt region and highest in the Pacific region (\$3.20 per hundredweight).

Figure 3

Corn Production Regions

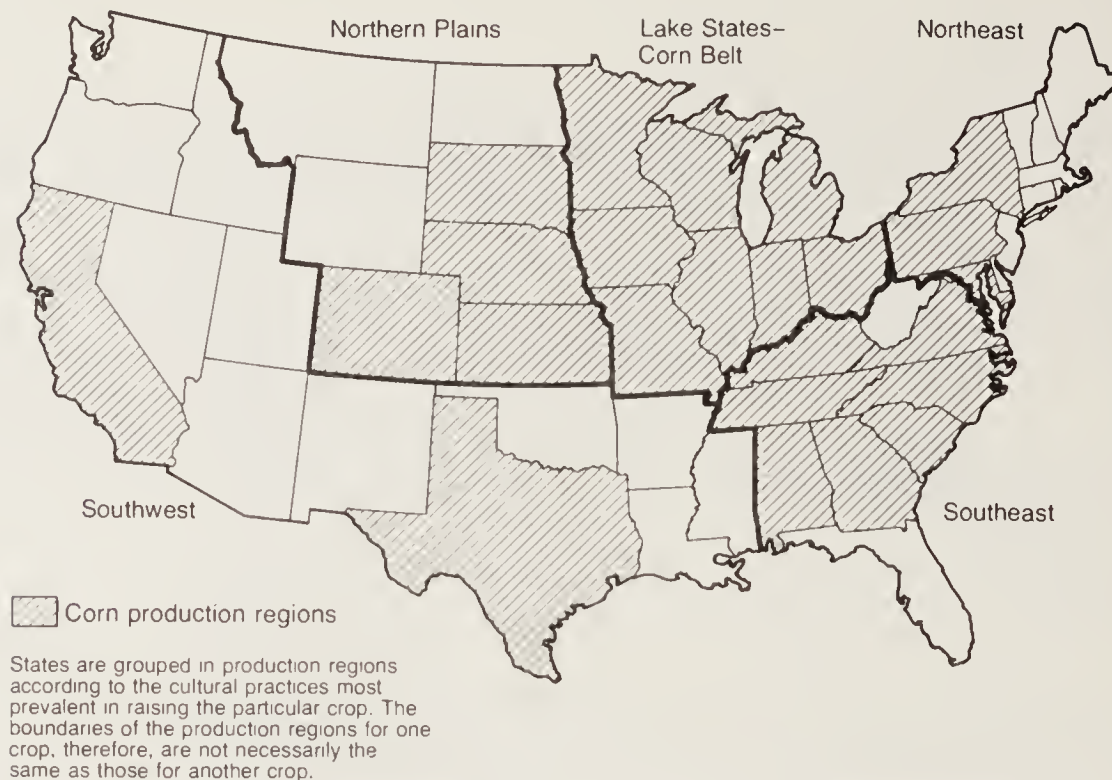


Figure 4

Sorghum Production Regions

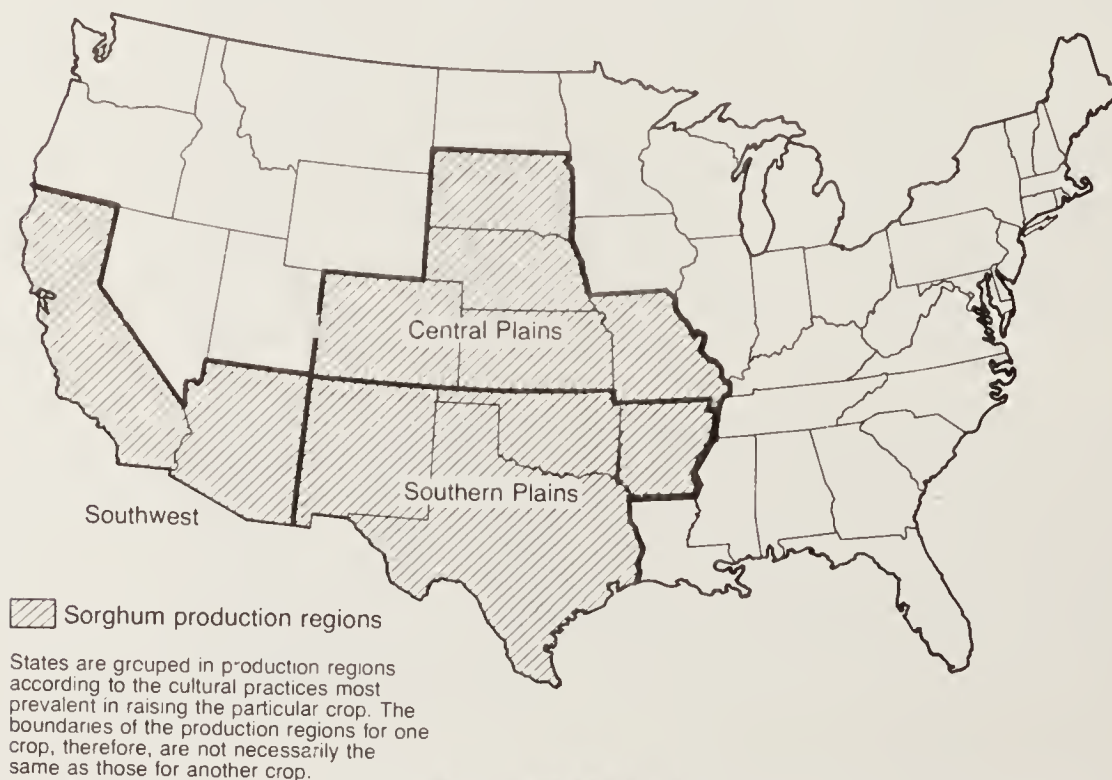
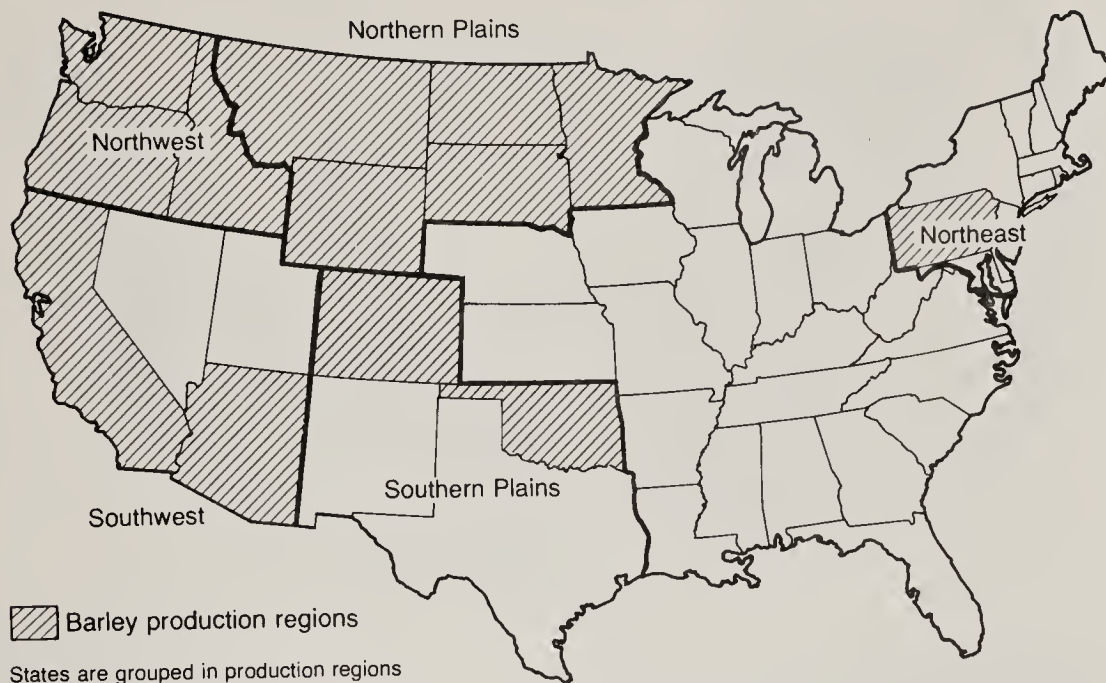



Figure 5

Barley Production Regions

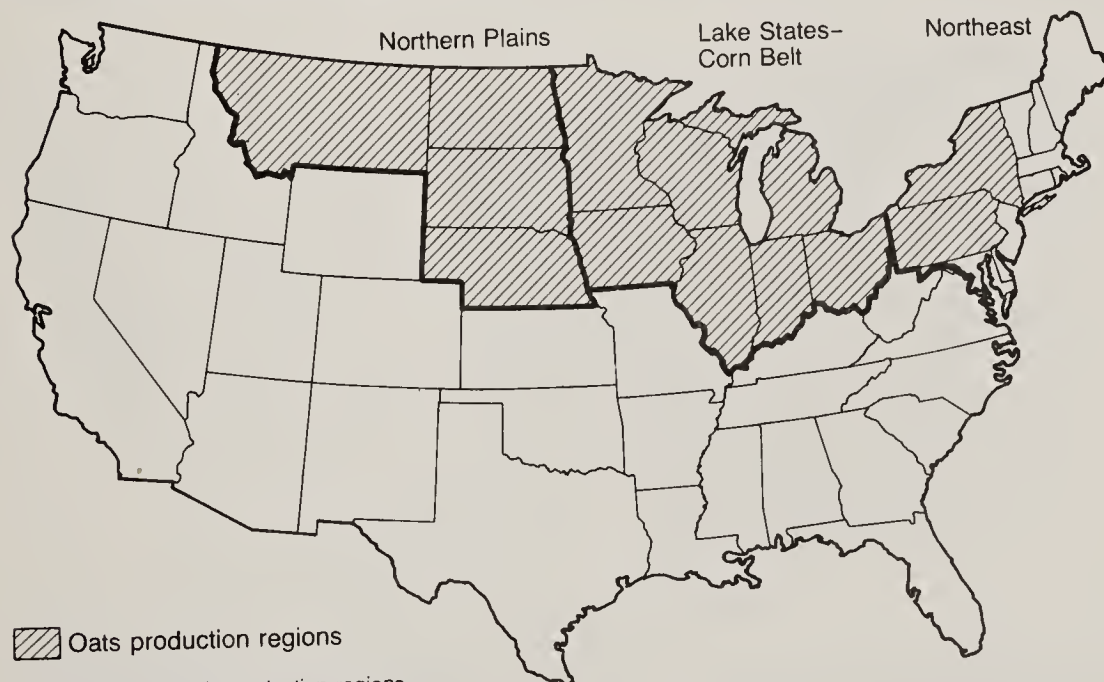



 Barley production regions

States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Figure 6

Oats Production Regions



 Oats production regions

States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Figure 7

Wheat Production Regions (Winter Wheat)

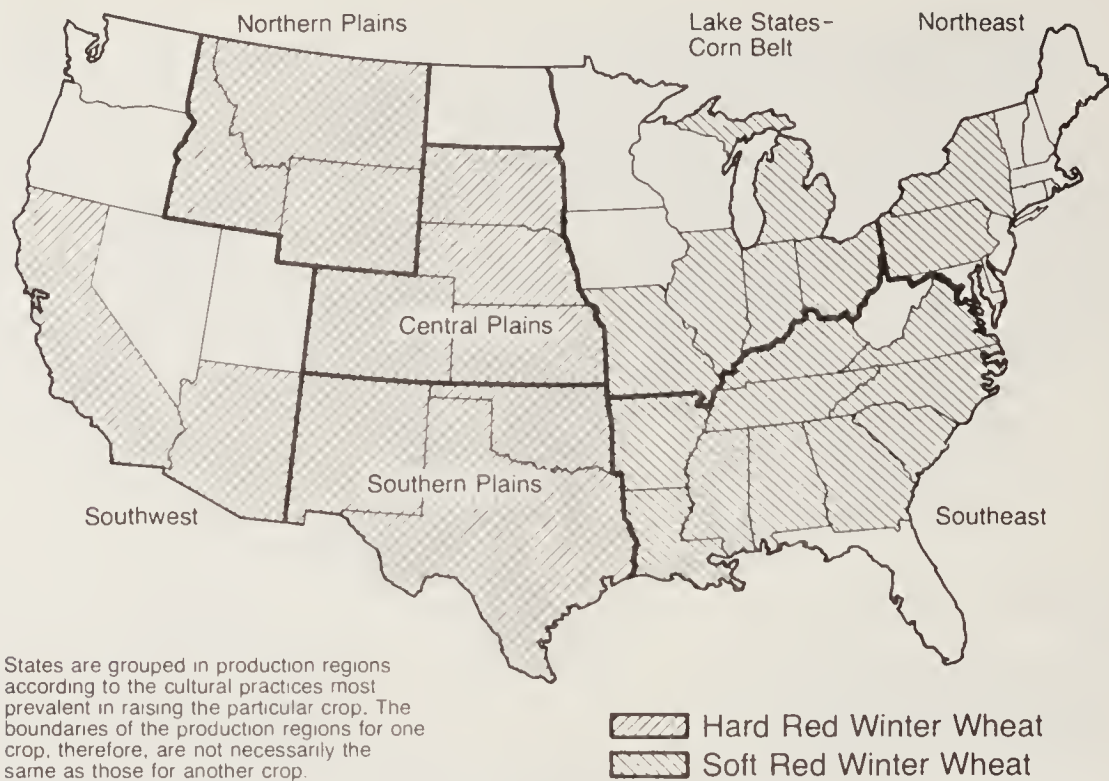


Figure 8

Wheat Production Regions (Spring Wheat, Durum, and White)

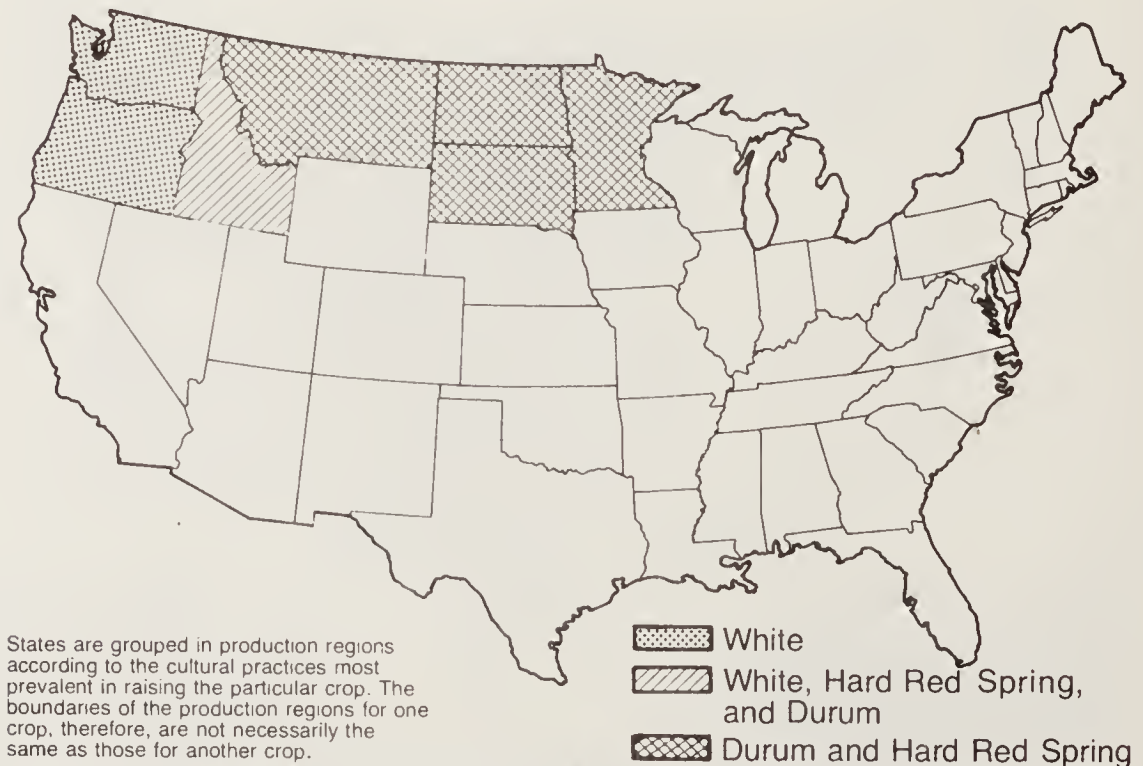


Figure 9

Rice Production Regions

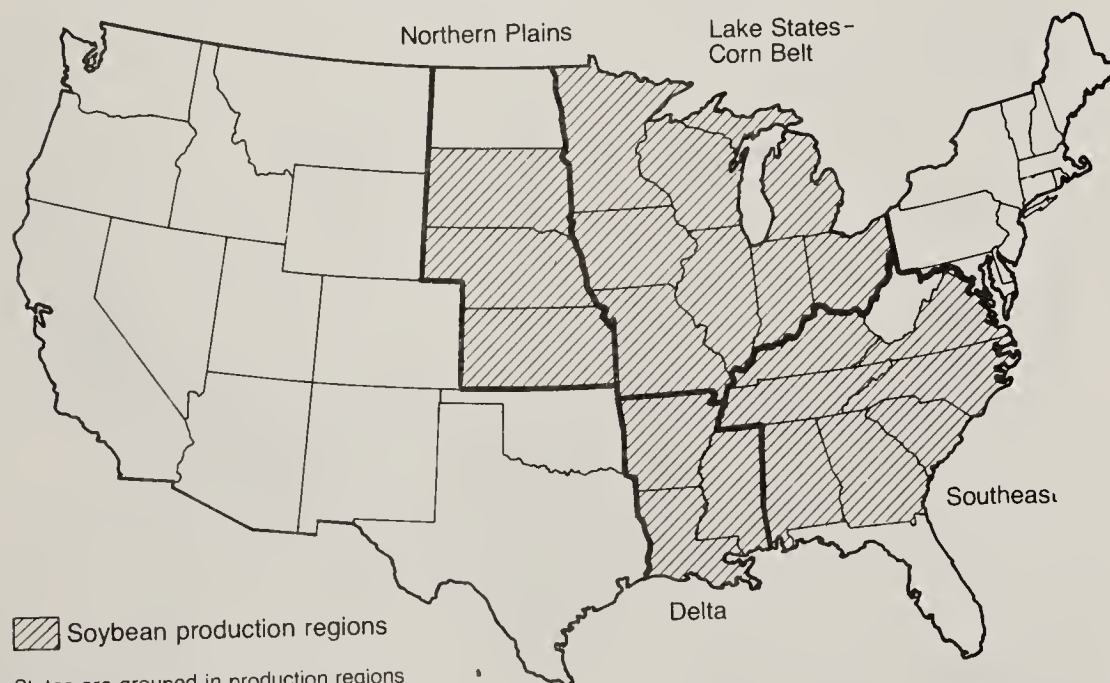


States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Gulf Coast region includes southwestern Louisiana and Southeastern Texas. Delta region includes northeastern Louisiana, western Mississippi, eastern Arkansas, and southeastern Missouri.

Figure 10

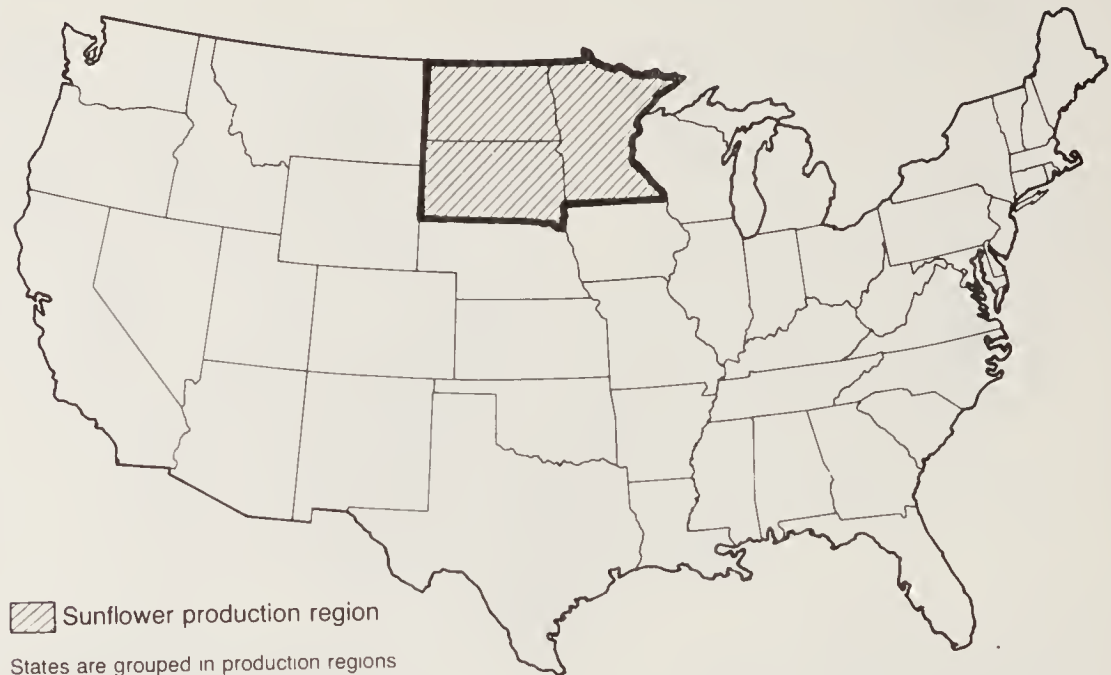
Soybean Production Regions



States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Figure 11

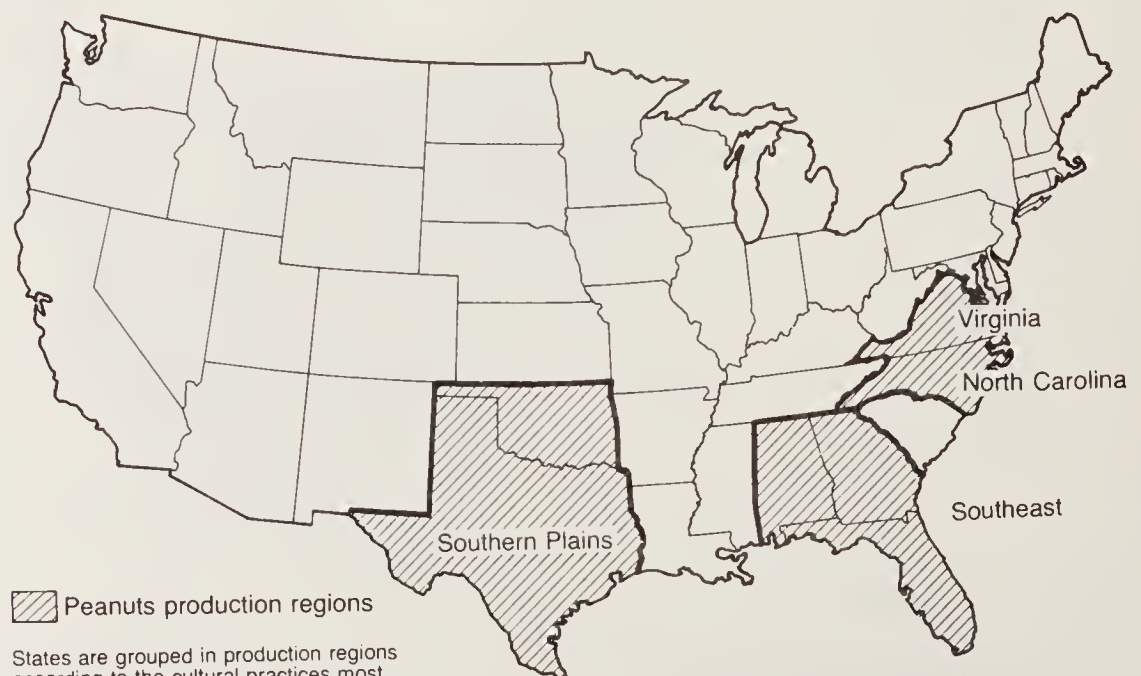
Sunflower Production Region



States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

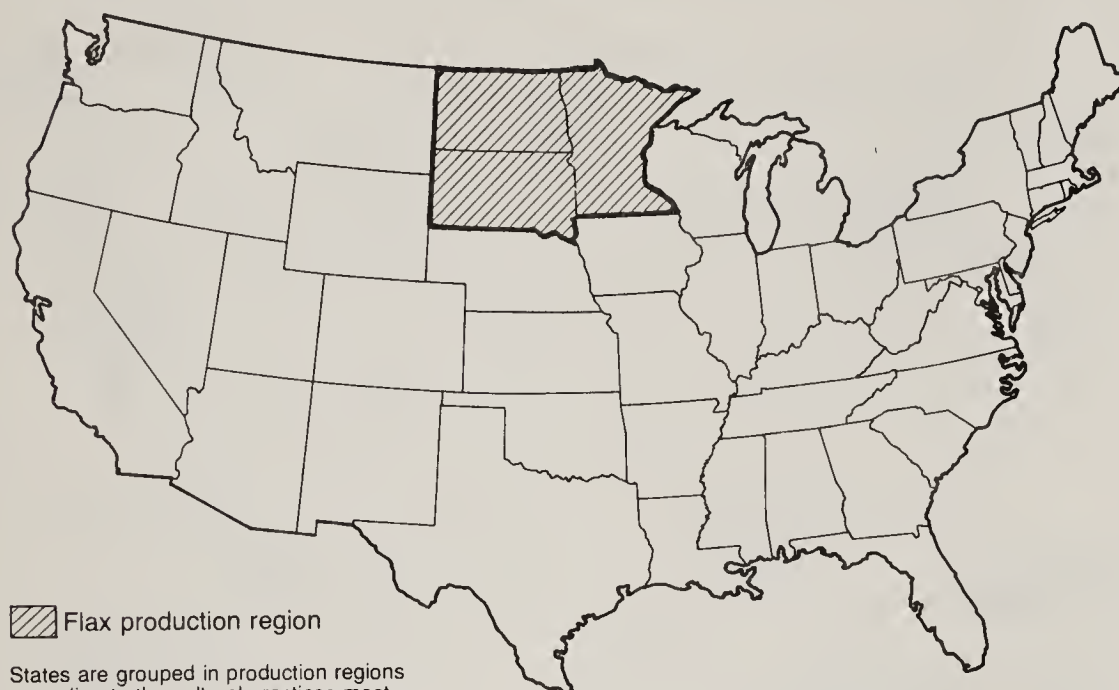
Figure 12


Peanuts Production Regions



States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Flax Production Region




 Flax production region

States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Figure 14

Cotton Production Regions



 Cotton production regions

States are grouped in production regions according to the cultural practices most prevalent in raising the particular crop. The boundaries of the production regions for one crop, therefore, are not necessarily the same as those for another crop.

Figure 15

Fall Potato Production Regions

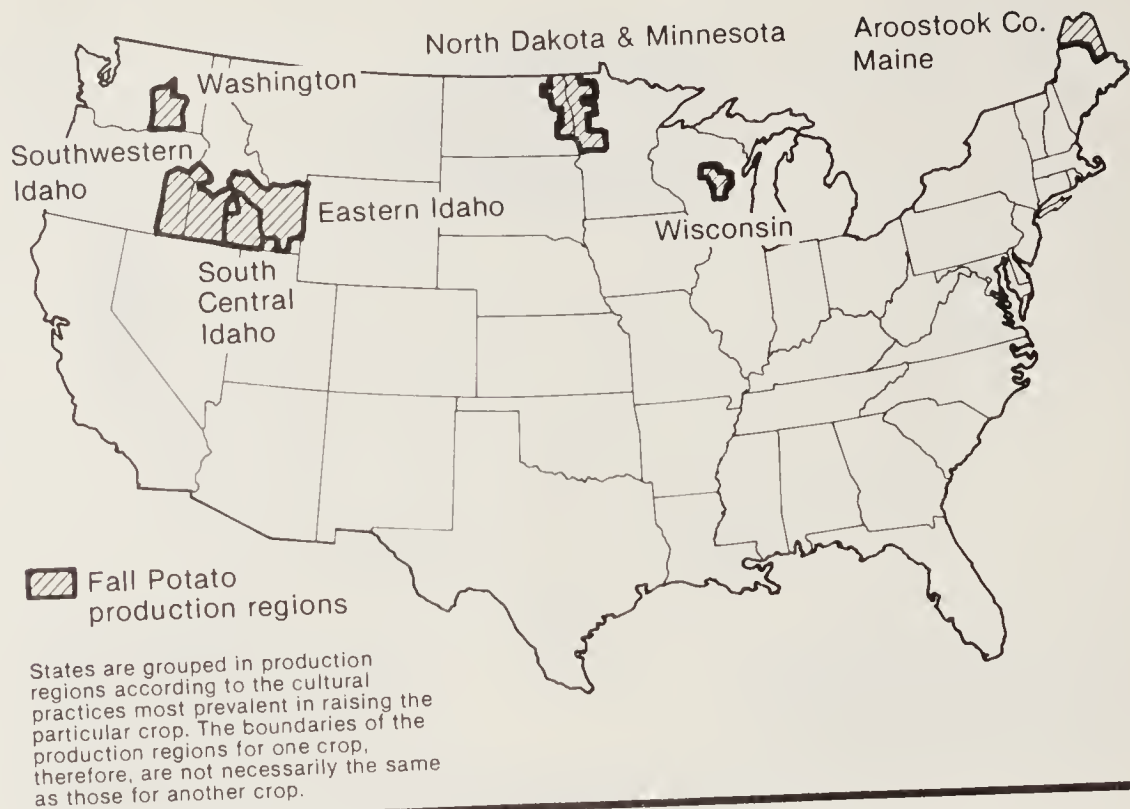


Figure 16

Sugar Beet Production Regions

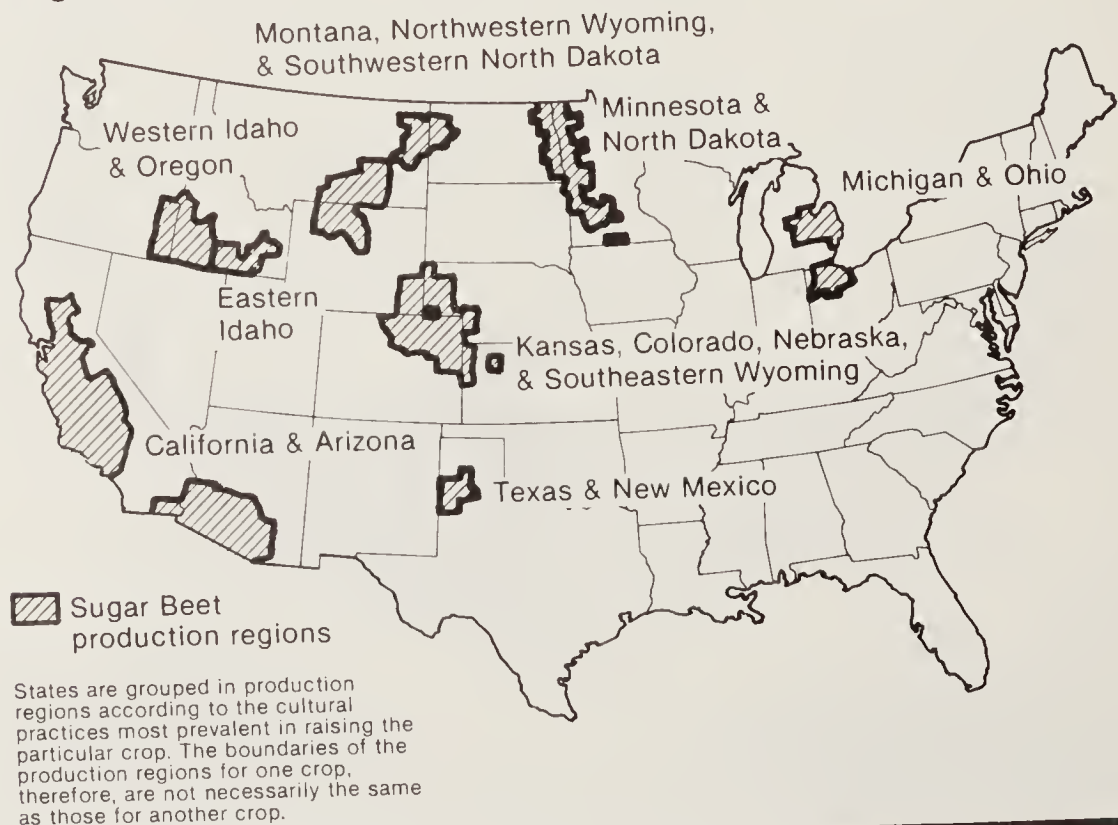


Figure 17

Sugarcane Production Regions

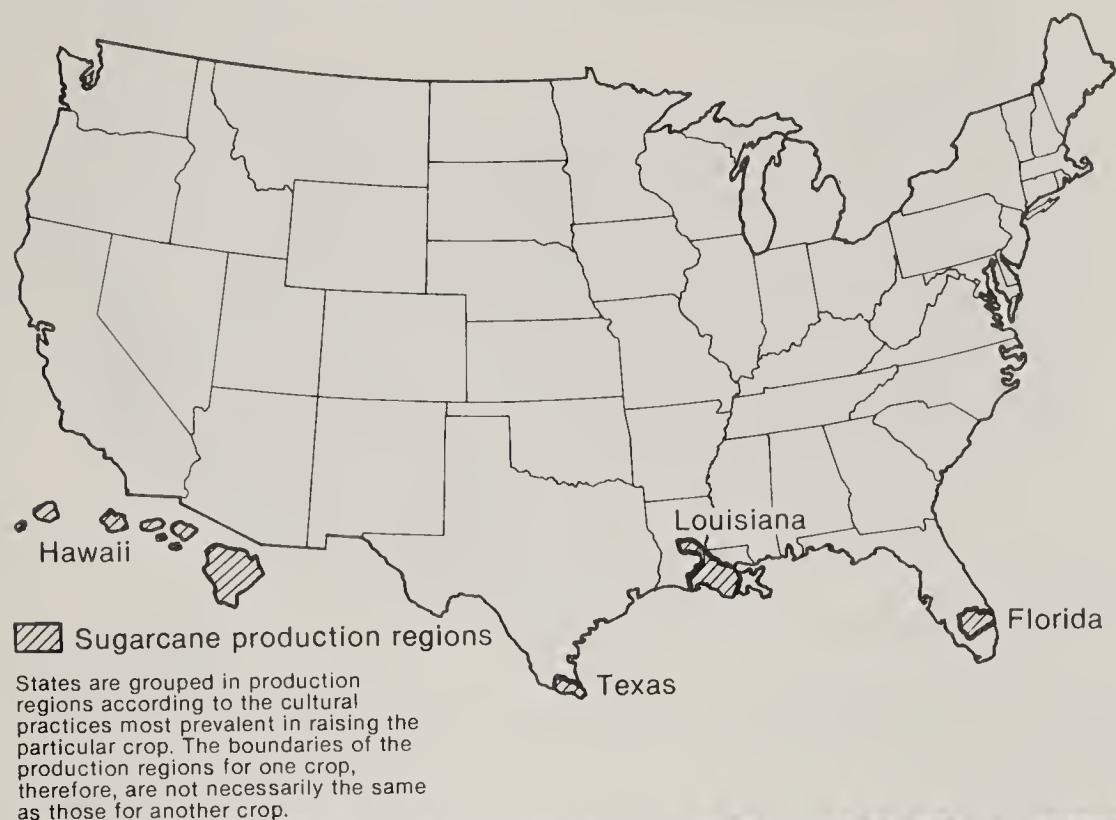


Figure 18

Fed Cattle Production Region

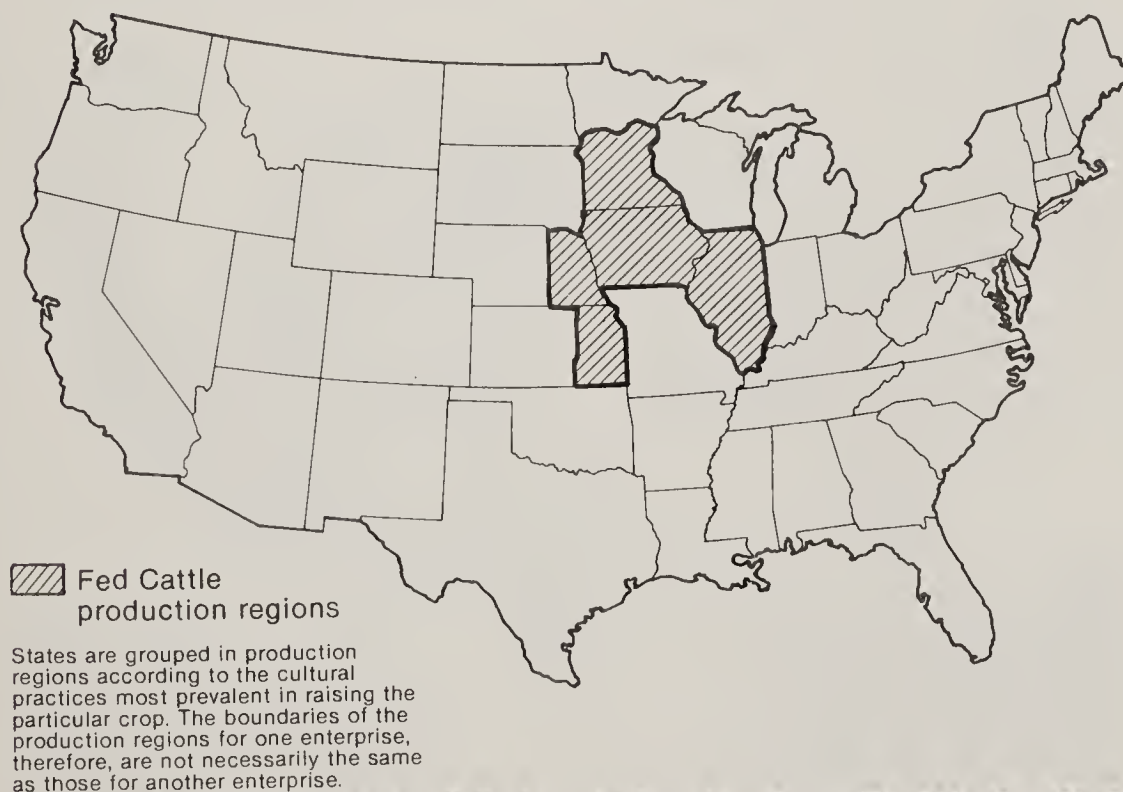


Figure 19

Cow-Calf Production Regions




 Cow-Calf production regions

States are grouped in production regions according to the practices most prevalent in raising the particular animal. The boundaries of the production regions for one enterprise, therefore, are not necessarily the same as those for another enterprise.

Figure 20

Hog Production Regions



 Hog production regions

States are grouped in production regions according to the practices most prevalent in raising the particular animal. The boundaries of the production regions for one enterprise, therefore, are not necessarily the same as those for another enterprise.

Figure 21

Sheep Production Region



Figure 22

Dairy Production Regions

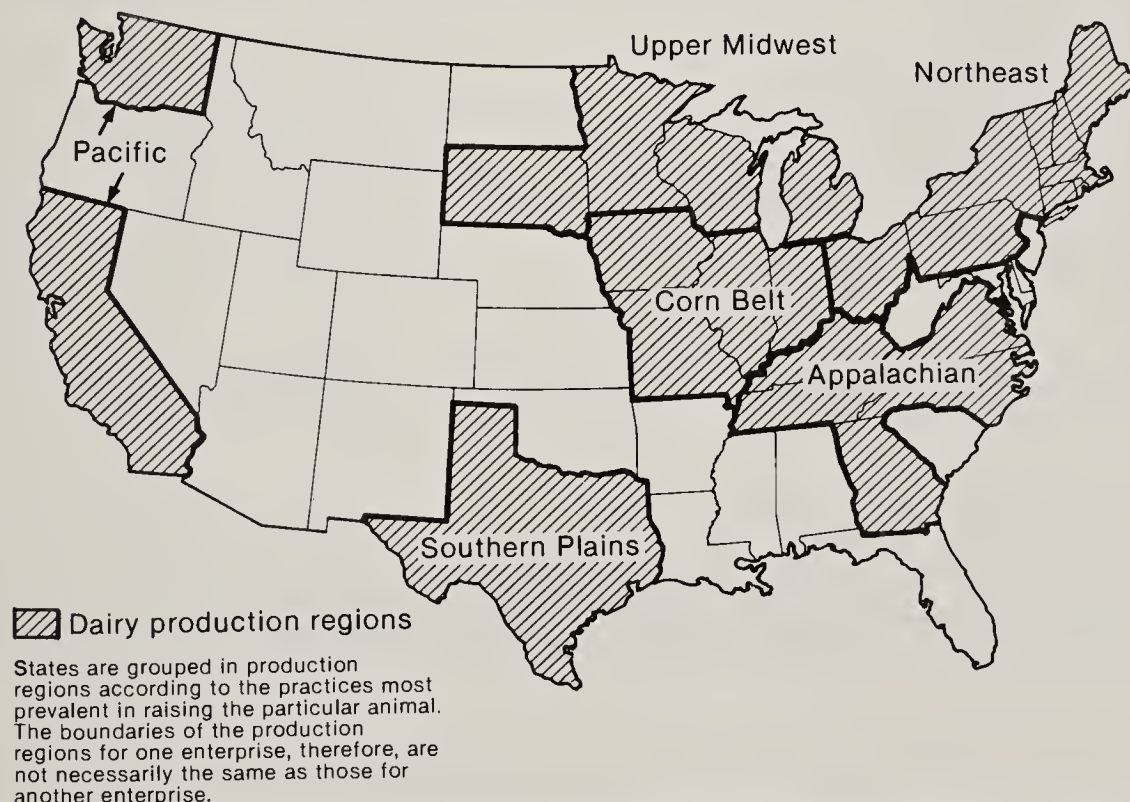


TABLE 1--U.S. CORN PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 279.46 | 260.17 | 245.51 |
| TOTAL | 279.46 | 260.17 | 245.51 |
| CASH EXPENSES: | | | |
| SEED | 14.24 | 16.28 | 17.27 |
| FERTILIZER | 47.29 | 52.36 | 49.22 |
| LIME | 1.38 | 1.53 | 1.51 |
| CHEMICALS | 14.24 | 15.49 | 16.60 |
| CUSTOM OPERATIONS | 4.76 | 5.31 | 5.73 |
| FUEL AND LUBRICATION | 17.12 | 20.24 | 20.29 |
| REPAIRS | 10.25 | 11.84 | 13.09 |
| PURCHASED IRRIGATION WATER | .09 | .10 | .11 |
| DRYING | 6.62 | 8.58 | 8.73 |
| TOTAL, VARIABLE EXPENSES | 115.99 | 131.73 | 132.55 |
| GENERAL FARM OVERHEAD | 16.60 | 15.53 | 16.40 |
| TAXES AND INSURANCE | 14.55 | 14.97 | 16.59 |
| INTEREST | 34.69 | 42.02 | 44.25 |
| TOTAL, FIXED EXPENSES | 65.84 | 72.52 | 77.24 |
| TOTAL, CASH EXPENSES | 181.83 | 204.25 | 209.79 |
| RECEIPTS LESS CASH EXPENSES | 97.63 | 55.92 | 35.72 |
| CAPITAL REPLACEMENT | 25.29 | 28.72 | 31.66 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 72.34 | 27.20 | 4.06 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 115.99 | 131.73 | 132.55 |
| GENERAL FARM OVERHEAD | 16.60 | 15.53 | 16.40 |
| TAXES AND INSURANCE | 14.55 | 14.97 | 16.59 |
| CAPITAL REPLACEMENT | 25.29 | 28.72 | 31.66 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.57 | 7.48 | 6.03 |
| OTHER NONLAND CAPITAL | 9.74 | 11.06 | 12.19 |
| LAND | 75.30 | 76.59 | 75.93 |
| LABOR ^{1/} | 13.02 | 14.99 | 15.43 |
| RESIDUAL TO MANAGEMENT AND RISK | 3.40 | -40.90 | -61.27 |
| NET RETURNS TO OWNED INPUTS | 107.03 | 69.22 | 48.31 |
| PRICE (DOLLARS/BU.) | 3.10 | 2.38 | 2.14 |
| YIELD (BU./PLANTED ACRE) | 90.15 | 109.28 | 114.64 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 2--CORN PRODUCTION COSTS, LAKE STATES AND CORN BELT, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 299.44 | 268.66 | 252.05 |
| TOTAL | 299.44 | 268.66 | 252.05 |
| CASH EXPENSES: | | | |
| SEED | 14.66 | 16.64 | 17.65 |
| FERTILIZER | 51.60 | 55.01 | 52.93 |
| LIME | 1.44 | 1.54 | 1.57 |
| CHEMICALS | 15.13 | 16.47 | 17.62 |
| CUSTOM OPERATIONS | 4.31 | 4.76 | 5.19 |
| FUEL AND LUBRICATION | 12.62 | 15.19 | 15.17 |
| REPAIRS | 8.63 | 9.92 | 11.02 |
| DRYING | 7.77 | 9.80 | 9.93 |
| TOTAL, VARIABLE EXPENSES | 116.16 | 129.33 | 131.08 |
| GENERAL FARM OVERHEAD | 16.46 | 15.53 | 16.22 |
| TAXES AND INSURANCE | 15.74 | 15.97 | 17.91 |
| INTEREST | 35.35 | 41.71 | 43.55 |
| TOTAL, FIXED EXPENSES | 67.55 | 73.21 | 77.68 |
| TOTAL, CASH EXPENSES | 183.71 | 202.54 | 208.76 |
| RECEIPTS LESS CASH EXPENSES | 115.73 | 66.12 | 43.29 |
| CAPITAL REPLACEMENT | 22.02 | 25.04 | 27.63 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 93.71 | 41.08 | 15.66 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 116.16 | 129.33 | 131.08 |
| GENERAL FARM OVERHEAD | 16.46 | 15.53 | 16.22 |
| TAXES AND INSURANCE | 15.74 | 15.97 | 17.91 |
| CAPITAL REPLACEMENT | 22.02 | 25.04 | 27.63 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.65 | 7.44 | 6.04 |
| OTHER NONLAND CAPITAL | 8.65 | 9.78 | 10.78 |
| LAND | 87.96 | 88.45 | 87.33 |
| LABOR ^{1/} | 11.91 | 13.73 | 13.92 |
| RESIDUAL TO MANAGEMENT AND RISK | 14.89 | -36.61 | -58.86 |
| NET RETURNS TO OWNED INPUTS | 129.06 | 82.79 | 59.21 |
| PRICE (DOLLARS/BU.) | 3.04 | 2.32 | 2.09 |
| YIELD (BU./PLANTED ACRE) | 98.50 | 115.68 | 120.78 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 3--CORN PRODUCTION COSTS, NORTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 274.18 | 241.99 | 216.94 |
| TOTAL | 274.18 | 241.99 | 216.94 |
| CASH EXPENSES: | | | |
| SEED | 13.42 | 14.60 | 16.36 |
| FERTILIZER | 52.48 | 56.82 | 50.90 |
| LIME | 1.49 | 1.63 | 1.72 |
| CHEMICALS | 15.21 | 16.55 | 17.75 |
| CUSTOM OPERATIONS | 6.37 | 6.95 | 7.58 |
| FUEL AND LUBRICATION | 13.25 | 16.04 | 15.19 |
| REPAIRS | 8.33 | 9.65 | 10.55 |
| DRYING | 5.95 | 8.28 | 7.94 |
| TOTAL, VARIABLE EXPENSES | 116.50 | 130.52 | 127.99 |
| GENERAL FARM OVERHEAD | 36.05 | 21.86 | 22.94 |
| TAXES AND INSURANCE | 12.79 | 14.41 | 14.29 |
| INTEREST | 52.01 | 33.94 | 35.63 |
| TOTAL, FIXED EXPENSES | 100.85 | 70.21 | 72.86 |
| TOTAL, CASH EXPENSES | 217.35 | 200.73 | 200.85 |
| RECEIPTS LESS CASH EXPENSES | 56.83 | 41.26 | 16.09 |
| CAPITAL REPLACEMENT | 21.32 | 23.76 | 25.96 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 35.51 | 17.50 | -9.87 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 116.50 | 130.52 | 127.99 |
| GENERAL FARM OVERHEAD | 36.05 | 21.86 | 22.94 |
| TAXES AND INSURANCE | 12.79 | 14.41 | 14.29 |
| CAPITAL REPLACEMENT | 21.32 | 23.76 | 25.96 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.28 | 6.99 | 5.56 |
| OTHER NONLAND CAPITAL | 8.20 | 9.14 | 9.96 |
| LAND | 64.15 | 70.93 | 58.75 |
| LABOR ^{1/} | 14.67 | 16.67 | 18.03 |
| RESIDUAL TO MANAGEMENT AND RISK | -4.78 | -52.29 | -66.54 |
| NET RETURNS TO OWNED INPUTS | 87.52 | 51.44 | 25.76 |
| PRICE (DOLLARS/BU.) | 3.50 | 2.52 | 2.24 |
| YIELD (BU./PLANTED ACRE) | 78.41 | 95.98 | 96.81 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 4--CORN PRODUCTION COSTS, NORTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------------------------------|--------|--------|
| | <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 248.63 | 256.86 | 235.76 |
| TOTAL | 248.63 | 256.86 | 235.76 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 13.41 | 15.97 | 16.66 |
| FERTILIZER | 23.53 | 31.67 | 29.56 |
| LIME | .04 | .04 | .07 |
| CHEMICALS | 9.59 | 10.21 | 10.89 |
| CUSTOM OPERATIONS | 3.68 | 4.08 | 4.57 |
| FUEL AND LUBRICATION | 35.24 | 42.02 | 40.87 |
| REPAIRS | 17.88 | 21.07 | 22.28 |
| PURCHASED IRRIGATION WATER | .36 | .41 | .45 |
| DRYING | 4.14 | 5.79 | 5.36 |
| TOTAL, VARIABLE EXPENSES | 107.87 | 131.26 | 130.71 |
| GENERAL FARM OVERHEAD | 14.52 | 16.88 | 17.56 |
| TAXES AND INSURANCE | 15.52 | 16.39 | 16.94 |
| INTEREST | 28.42 | 44.59 | 46.37 |
| TOTAL, FIXED EXPENSES | 58.46 | 77.86 | 80.87 |
| TOTAL, CASH EXPENSES | 166.33 | 209.12 | 211.58 |
| RECEIPTS LESS CASH EXPENSES | 82.30 | 47.74 | 24.18 |
| CAPITAL REPLACEMENT | 41.53 | 47.74 | 50.81 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 40.77 | .00 | -26.63 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 107.87 | 131.26 | 130.71 |
| GENERAL FARM OVERHEAD | 14.52 | 16.88 | 17.56 |
| TAXES AND INSURANCE | 15.52 | 16.39 | 16.94 |
| CAPITAL REPLACEMENT | 41.53 | 47.74 | 50.81 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.97 | 7.11 | 5.78 |
| OTHER NONLAND CAPITAL | 15.67 | 18.19 | 19.28 |
| LAND | 48.52 | 50.06 | 48.19 |
| LABOR ^{1/} | 15.60 | 17.90 | 19.11 |
| RESIDUAL TO MANAGEMENT AND RISK | -15.57 | -48.67 | -72.62 |
| NET RETURNS TO OWNED INPUTS | 69.19 | 44.59 | 19.74 |
| PRICE (DOLLARS/BU.) | 3.12 | 2.41 | 2.28 |
| YIELD (BU./PLANTED ACRE) | 79.58 | 106.66 | 103.39 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 5--CORN PRODUCTION COSTS, SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 176.68 | 191.38 | 203.37 |
| TOTAL | 176.68 | 191.38 | 203.37 |
| CASH EXPENSES: | | | |
| SEED | 13.63 | 15.48 | 16.52 |
| FERTILIZER | 57.07 | 66.31 | 57.96 |
| LIME | 3.53 | 4.09 | 4.08 |
| CHEMICALS | 14.15 | 15.45 | 17.05 |
| CUSTOM OPERATIONS | 7.91 | 9.12 | 10.02 |
| FUEL AND LUBRICATION | 13.86 | 16.81 | 16.52 |
| REPAIRS | 7.85 | 9.55 | 11.00 |
| DRYING | 3.44 | 5.30 | 6.64 |
| TOTAL, VARIABLE EXPENSES | 121.44 | 142.11 | 139.79 |
| GENERAL FARM OVERHEAD | 12.51 | 9.34 | 10.59 |
| TAXES AND INSURANCE | 6.32 | 6.90 | 7.39 |
| INTEREST | 29.78 | 40.90 | 46.39 |
| TOTAL, FIXED EXPENSES | 48.61 | 57.14 | 64.37 |
| TOTAL, CASH EXPENSES | 170.05 | 199.25 | 204.16 |
| RECEIPTS LESS CASH EXPENSES | 6.63 | -7.87 | - .79 |
| CAPITAL REPLACEMENT | 19.62 | 23.04 | 26.05 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -12.99 | -30.91 | -26.84 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 121.44 | 142.11 | 139.79 |
| GENERAL FARM OVERHEAD | 12.51 | 9.34 | 10.59 |
| TAXES AND INSURANCE | 6.32 | 6.90 | 7.39 |
| CAPITAL REPLACEMENT | 19.62 | 23.04 | 26.05 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.86 | 8.09 | 6.13 |
| OTHER NONLAND CAPITAL | 7.25 | 8.53 | 9.73 |
| LAND | 42.27 | 44.33 | 47.90 |
| LABOR ^{1/} | 13.83 | 16.08 | 16.24 |
| RESIDUAL TO MANAGEMENT AND RISK | -52.42 | -67.04 | -60.45 |
| NET RETURNS TO OWNED INPUTS | 16.79 | 9.99 | 19.55 |
| PRICE (DOLLARS/BU.) | 3.39 | 2.62 | 2.14 |
| YIELD (BU./PLANTED ACRE) | 52.13 | 73.13 | 95.24 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 6--CORN PRODUCTION COSTS, SOUTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 339.72 | 382.14 | 327.09 |
| TOTAL | 339.72 | 382.14 | 327.09 |
| CASH EXPENSES: | | | |
| SEED | 11.11 | 13.49 | 14.08 |
| FERTILIZER | 34.94 | 44.49 | 40.82 |
| CHEMICALS | 18.92 | 21.51 | 23.34 |
| CUSTOM OPERATIONS | 10.08 | 11.34 | 12.10 |
| FUEL AND LUBRICATION | 44.85 | 50.14 | 54.19 |
| REPAIRS | 18.60 | 21.59 | 23.12 |
| PURCHASED IRRIGATION WATER | 1.30 | 1.73 | 1.93 |
| DRYING | 4.06 | 5.24 | 5.05 |
| TOTAL, VARIABLE EXPENSES | 143.86 | 169.53 | 174.63 |
| GENERAL FARM OVERHEAD | 21.11 | 23.71 | 24.98 |
| TAXES AND INSURANCE | 9.69 | 10.86 | 11.11 |
| INTEREST | 51.69 | 54.78 | 57.70 |
| TOTAL, FIXED EXPENSES | 82.49 | 89.35 | 93.79 |
| TOTAL, CASH EXPENSES | 226.35 | 258.88 | 268.42 |
| RECEIPTS LESS CASH EXPENSES | 113.37 | 123.26 | 58.67 |
| CAPITAL REPLACEMENT | 39.54 | 45.37 | 48.88 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 73.83 | 77.89 | 9.79 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 143.86 | 169.53 | 174.63 |
| GENERAL FARM OVERHEAD | 21.11 | 23.71 | 24.98 |
| TAXES AND INSURANCE | 9.69 | 10.86 | 11.11 |
| CAPITAL REPLACEMENT | 39.54 | 45.37 | 48.88 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 6.71 | 9.49 | 7.84 |
| OTHER NONLAND CAPITAL | 14.08 | 16.18 | 17.34 |
| LAND | 41.17 | 48.09 | 58.18 |
| LABOR 1/ | 22.36 | 27.16 | 28.95 |
| RESIDUAL TO MANAGEMENT AND RISK | 41.20 | 31.75 | -44.82 |
| NET RETURNS TO OWNED INPUTS | 125.52 | 132.67 | 67.49 |
| PRICE (DOLLARS/BU.) | 3.64 | 3.24 | 2.99 |
| YIELD (BU./PLANTED ACRE) | 93.28 | 117.90 | 109.32 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 7--U.S. SORGHUM PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 131.17 | 141.50 | 121.82 |
| TOTAL | 131.17 | 141.50 | 121.82 |
| CASH EXPENSES: | | | |
| SEED | 2.74 | 3.24 | 3.82 |
| FERTILIZER | 15.62 | 16.78 | 16.37 |
| CHEMICALS | 6.70 | 7.24 | 7.70 |
| CUSTOM OPERATIONS | 2.93 | 3.23 | 3.68 |
| FUEL AND LUBRICATION | 16.59 | 20.19 | 20.86 |
| REPAIRS | 10.52 | 12.69 | 13.62 |
| PURCHASED IRRIGATION WATER | .09 | .08 | .08 |
| DRYING | .71 | 1.14 | 1.05 |
| TOTAL, VARIABLE EXPENSES | 55.90 | 64.59 | 67.18 |
| GENERAL FARM OVERHEAD | 7.71 | 9.10 | 9.58 |
| TAXES AND INSURANCE | 8.03 | 8.93 | 8.68 |
| INTEREST | 14.48 | 23.01 | 24.06 |
| TOTAL, FIXED EXPENSES | 30.22 | 41.04 | 42.32 |
| TOTAL, CASH EXPENSES | 86.12 | 105.63 | 109.50 |
| RECEIPTS LESS CASH EXPENSES | 45.05 | 35.87 | 12.32 |
| CAPITAL REPLACEMENT | 25.67 | 30.39 | 32.54 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 19.38 | 5.48 | -20.22 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 55.90 | 64.59 | 67.18 |
| GENERAL FARM OVERHEAD | 7.71 | 9.10 | 9.58 |
| TAXES AND INSURANCE | 8.03 | 8.93 | 8.68 |
| CAPITAL REPLACEMENT | 25.67 | 30.39 | 32.54 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.38 | 3.21 | 2.72 |
| OTHER NONLAND CAPITAL | 9.46 | 11.28 | 11.98 |
| LAND | 34.75 | 37.46 | 39.07 |
| LABOR ^{1/} | 11.82 | 13.96 | 15.12 |
| RESIDUAL TO MANAGEMENT AND RISK | -24.55 | -37.42 | -65.05 |
| NET RETURNS TO OWNED INPUTS | 33.86 | 28.49 | 3.84 |
| PRICE (DOLLARS/BU.) | 3.04 | 2.25 | 2.11 |
| YIELD (BU./PLANTED ACRE) | 43.16 | 62.95 | 57.87 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 8--SORGHUM PRODUCTION COSTS, CENTRAL PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 131.23 | 141.56 | 126.40 |
| TOTAL | 131.23 | 141.56 | 126.40 |
| CASH EXPENSES: | | | |
| SEED | 2.52 | 2.83 | 3.26 |
| FERTILIZER | 16.51 | 17.57 | 17.78 |
| CHEMICALS | 6.93 | 7.53 | 8.10 |
| CUSTOM OPERATIONS | 1.96 | 2.20 | 2.37 |
| FUEL AND LUBRICATION | 13.42 | 17.70 | 17.61 |
| REPAIRS | 10.20 | 12.74 | 13.50 |
| DRYING | .75 | 1.26 | 1.20 |
| TOTAL, VARIABLE EXPENSES | 52.29 | 61.83 | 63.82 |
| GENERAL FARM OVERHEAD | 7.37 | 8.70 | 8.97 |
| TAXES AND INSURANCE | 9.32 | 10.56 | 10.55 |
| INTEREST | 14.43 | 22.98 | 23.70 |
| TOTAL, FIXED EXPENSES | 31.12 | 42.24 | 43.22 |
| TOTAL, CASH EXPENSES | 83.41 | 104.07 | 107.04 |
| RECEIPTS LESS CASH EXPENSES | 47.82 | 37.49 | 19.36 |
| CAPITAL REPLACEMENT | 26.19 | 31.85 | 34.12 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 21.63 | 5.64 | -14.76 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 52.29 | 61.83 | 63.82 |
| GENERAL FARM OVERHEAD | 7.37 | 8.70 | 8.97 |
| TAXES AND INSURANCE | 9.32 | 10.56 | 10.55 |
| CAPITAL REPLACEMENT | 26.19 | 31.85 | 34.12 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.25 | 3.05 | 2.57 |
| OTHER NONLAND CAPITAL | 9.82 | 12.03 | 12.83 |
| LAND | 36.11 | 39.14 | 38.18 |
| LABOR ^{1/} | 10.22 | 12.08 | 12.76 |
| RESIDUAL TO MANAGEMENT AND RISK | -22.34 | -37.68 | -57.40 |
| NET RETURNS TO OWNED INPUTS | 36.06 | 28.62 | 8.94 |
| PRICE (DOLLARS/BU.) | 2.91 | 2.12 | 2.01 |
| YIELD (BU./PLANTED ACRE) | 45.03 | 66.65 | 62.88 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 9--SORGHUM PRODUCTION COSTS, SOUTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 126.81 | 139.64 | 115.81 |
| TOTAL | 126.81 | 139.64 | 115.81 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 2.87 | 3.63 | 4.22 |
| FERTILIZER | 13.66 | 15.09 | 14.37 |
| CHEMICALS | 6.30 | 6.77 | 7.23 |
| CUSTOM OPERATIONS | 4.02 | 4.42 | 4.81 |
| FUEL AND LUBRICATION | 20.60 | 23.27 | 23.95 |
| REPAIRS | 10.93 | 12.59 | 13.71 |
| DRYING | .60 | .93 | .85 |
| TOTAL, VARIABLE EXPENSES | 58.98 | 66.70 | 69.14 |
| GENERAL FARM OVERHEAD | 7.92 | 9.47 | 10.07 |
| TAXES AND INSURANCE | 5.82 | 6.41 | 6.59 |
| INTEREST | 13.77 | 22.75 | 24.20 |
| TOTAL, FIXED EXPENSES | 27.51 | 38.63 | 40.86 |
| TOTAL, CASH EXPENSES | 86.49 | 105.33 | 110.00 |
| RECEIPTS LESS CASH EXPENSES | 40.32 | 34.31 | 5.81 |
| CAPITAL REPLACEMENT | 24.84 | 28.31 | 30.88 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 15.48 | 6.00 | -25.07 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 58.98 | 66.70 | 69.14 |
| GENERAL FARM OVERHEAD | 7.92 | 9.47 | 10.07 |
| TAXES AND INSURANCE | 5.82 | 6.41 | 6.59 |
| CAPITAL REPLACEMENT | 24.84 | 28.31 | 30.88 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.46 | 3.33 | 2.80 |
| OTHER NONLAND CAPITAL | 8.91 | 10.22 | 11.09 |
| LAND | 30.16 | 33.01 | 37.84 |
| LABOR ^{1/} | 13.49 | 16.11 | 17.15 |
| RESIDUAL TO MANAGEMENT AND RISK | -25.77 | -33.92 | -69.75 |
| NET RETURNS TO OWNED INPUTS | 29.25 | 28.75 | -.87 |
| PRICE (DOLLARS/BU.) | 3.20 | 2.42 | 2.21 |
| YIELD (BU./PLANTED ACRE) | 39.60 | 57.60 | 52.42 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 10--SORGHUM PRODUCTION COSTS, SOUTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|---------|---------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 259.50 | 210.18 | 185.80 |
| TOTAL | 259.50 | 210.18 | 185.80 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 7.61 | 10.03 | 11.74 |
| FERTILIZER | 37.80 | 40.63 | 44.50 |
| CHEMICALS | 9.18 | 10.05 | 10.56 |
| CUSTOM OPERATIONS | 10.56 | 11.25 | 11.88 |
| FUEL AND LUBRICATION | 27.19 | 32.33 | 29.45 |
| REPAIRS | 11.86 | 13.69 | 14.53 |
| PURCHASED IRRIGATION WATER | 6.78 | 7.50 | 7.46 |
| DRYING | 2.66 | 2.79 | 3.03 |
| TOTAL, VARIABLE EXPENSES | 113.64 | 128.27 | 133.15 |
| GENERAL FARM OVERHEAD | 15.58 | 15.24 | 14.93 |
| TAXES AND INSURANCE | 21.03 | 20.42 | 17.58 |
| INTEREST | 38.15 | 35.21 | 34.50 |
| TOTAL, FIXED EXPENSES | 74.76 | 70.87 | 67.01 |
| TOTAL, CASH EXPENSES | 188.40 | 199.14 | 200.16 |
| RECEIPTS LESS CASH EXPENSES | 71.10 | 11.04 | -14.36 |
| CAPITAL REPLACEMENT | 29.40 | 34.16 | 35.95 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 41.70 | -23.12 | -50.31 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 113.64 | 128.27 | 133.15 |
| GENERAL FARM OVERHEAD | 15.58 | 15.24 | 14.93 |
| TAXES AND INSURANCE | 21.03 | 20.42 | 17.58 |
| CAPITAL REPLACEMENT | 29.40 | 34.16 | 35.95 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.31 | 7.18 | 6.04 |
| OTHER NONLAND CAPITAL | 10.70 | 12.32 | 12.97 |
| LAND | 116.55 | 120.92 | 137.22 |
| LABOR ^{1/} | 27.69 | 29.90 | 31.34 |
| RESIDUAL TO MANAGEMENT AND RISK | -80.40 | -158.23 | -203.38 |
| NET RETURNS TO OWNED INPUTS | 79.85 | 12.09 | -15.81 |
| PRICE (DOLLARS/BU.) | 3.58 | 2.80 | 2.46 |
| YIELD (BU./PLANTED ACRE) | 72.45 | 75.10 | 75.52 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 11--U.S. BARLEY PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 113.75 | 119.99 | 117.15 |
| SECONDARY CROP | 4.94 | 4.62 | 4.07 |
| TOTAL | 118.69 | 124.61 | 121.22 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 5.76 | 7.32 | 6.31 |
| FERTILIZER | 14.30 | 15.04 | 15.35 |
| LIME | .05 | .05 | .04 |
| CHEMICALS | 3.73 | 4.13 | 4.39 |
| CUSTOM OPERATIONS | 1.50 | 1.35 | 1.54 |
| FUEL AND LUBRICATION | 14.57 | 15.55 | 16.12 |
| REPAIRS | 9.53 | 10.65 | 12.01 |
| PURCHASED IRRIGATION WATER | 1.29 | 1.22 | 1.14 |
| MISCELLANEOUS | .21 | .21 | .22 |
| TOTAL, VARIABLE EXPENSES | 50.94 | 55.52 | 57.12 |
| GENERAL FARM OVERHEAD | 8.23 | 9.33 | 9.74 |
| TAXES AND INSURANCE | 8.96 | 9.37 | 9.52 |
| INTEREST | 17.71 | 23.83 | 24.88 |
| TOTAL, FIXED EXPENSES | 34.90 | 42.53 | 44.14 |
| TOTAL, CASH EXPENSES | 85.84 | 98.05 | 101.26 |
| RECEIPTS LESS CASH EXPENSES | 32.85 | 26.56 | 19.96 |
| CAPITAL REPLACEMENT | 23.29 | 26.67 | 29.91 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 9.56 | - .11 | -9.95 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 50.94 | 55.52 | 57.12 |
| GENERAL FARM OVERHEAD | 8.23 | 9.33 | 9.74 |
| TAXES AND INSURANCE | 8.96 | 9.37 | 9.52 |
| CAPITAL REPLACEMENT | 23.29 | 26.67 | 29.91 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.74 | 2.23 | 1.84 |
| OTHER NONLAND CAPITAL | 8.68 | 9.83 | 11.03 |
| LAND | 43.90 | 46.80 | 50.52 |
| LABOR 1/ | 11.25 | 11.62 | 12.38 |
| RESIDUAL TO MANAGEMENT AND RISK | -38.30 | -46.76 | -60.84 |
| NET RETURNS TO OWNED INPUTS | 27.27 | 23.72 | 14.93 |
| PRICE (DOLLARS/BU.) | 2.63 | 2.42 | 2.15 |
| YIELD (BU./PLANTED ACRE) | 43.28 | 49.61 | 54.43 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 12--BARLEY PRODUCTION COSTS, NORTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 113.50 | 104.98 | 97.84 |
| SECONDARY CROP | 41.16 | 73.50 | 78.40 |
| TOTAL | 154.66 | 178.48 | 176.24 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 8.93 | 9.26 | 9.15 |
| FERTILIZER | 21.17 | 22.02 | 21.52 |
| LIME | 4.25 | 4.64 | 4.88 |
| CHEMICALS | .15 | .17 | .18 |
| CUSTOM OPERATIONS | 5.80 | 5.81 | 6.81 |
| FUEL AND LUBRICATION | 13.17 | 15.04 | 14.53 |
| REPAIRS | 8.35 | 9.08 | 10.04 |
| MISCELLANEOUS | 1.88 | 1.94 | 2.05 |
| TOTAL, VARIABLE EXPENSES | 63.70 | 67.96 | 69.16 |
| GENERAL FARM OVERHEAD | 17.51 | 9.55 | 10.01 |
| TAXES AND INSURANCE | 15.65 | 15.25 | 17.55 |
| INTEREST | 25.26 | 14.84 | 15.55 |
| TOTAL, FIXED EXPENSES | 58.42 | 39.64 | 43.11 |
| TOTAL, CASH EXPENSES | 122.12 | 107.60 | 112.27 |
| RECEIPTS LESS CASH EXPENSES | 32.54 | 70.88 | 63.97 |
| CAPITAL REPLACEMENT | 19.87 | 21.54 | 24.16 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 12.67 | 49.34 | 39.81 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 63.70 | 67.96 | 69.16 |
| GENERAL FARM OVERHEAD | 17.51 | 9.55 | 10.01 |
| TAXES AND INSURANCE | 15.65 | 15.25 | 17.55 |
| CAPITAL REPLACEMENT | 19.87 | 21.54 | 24.16 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.78 | 2.32 | 1.93 |
| OTHER NONLAND CAPITAL | 7.65 | 8.26 | 9.21 |
| LAND | 86.68 | 81.19 | 81.10 |
| LABOR 1/ | 17.82 | 18.86 | 21.69 |
| RESIDUAL TO MANAGEMENT AND RISK | -76.00 | -46.45 | -58.57 |
| NET RETURNS TO OWNED INPUTS | 37.93 | 64.18 | 55.36 |
| PRICE (DOLLARS/BU.) | 2.42 | 2.20 | 1.96 |
| YIELD (BU./PLANTED ACRE) | 46.90 | 47.72 | 49.92 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 13--BARLEY PRODUCTION COSTS, NORTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 80.44 | 99.39 | 90.85 |
| SECONDARY CROP | 4.98 | 4.31 | 3.33 |
| TOTAL | 85.42 | 103.70 | 94.18 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 4.56 | 6.04 | 4.99 |
| FERTILIZER | 12.14 | 12.50 | 12.14 |
| CHEMICALS | 3.06 | 3.34 | 3.46 |
| CUSTOM OPERATIONS | .36 | .38 | .47 |
| FUEL AND LUBRICATION | 10.39 | 12.16 | 12.16 |
| REPAIRS | 8.34 | 9.66 | 10.89 |
| PURCHASED IRRIGATION WATER | .32 | .30 | .22 |
| MISCELLANEOUS | .21 | .21 | .23 |
| TOTAL, VARIABLE EXPENSES | 39.38 | 44.59 | 44.56 |
| GENERAL FARM OVERHEAD | 5.75 | 7.78 | 8.00 |
| TAXES AND INSURANCE | 6.61 | 7.21 | 7.89 |
| INTEREST | 11.25 | 20.55 | 21.12 |
| TOTAL, FIXED EXPENSES | 23.61 | 35.54 | 37.01 |
| TOTAL, CASH EXPENSES | 62.99 | 80.13 | 81.57 |
| RECEIPTS LESS CASH EXPENSES | 22.43 | 23.57 | 12.61 |
| CAPITAL REPLACEMENT | 20.26 | 23.82 | 26.67 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 2.17 | - .25 | -14.06 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 39.38 | 44.59 | 44.56 |
| GENERAL FARM OVERHEAD | 5.75 | 7.78 | 8.00 |
| TAXES AND INSURANCE | 6.61 | 7.21 | 7.89 |
| CAPITAL REPLACEMENT | 20.26 | 23.82 | 26.67 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.29 | 1.71 | 1.39 |
| OTHER NONLAND CAPITAL | 7.58 | 8.87 | 9.91 |
| LAND | 29.59 | 31.24 | 33.22 |
| LABOR 1/ | 8.15 | 9.15 | 9.72 |
| RESIDUAL TO MANAGEMENT AND RISK | -33.19 | -30.67 | -47.18 |
| NET RETURNS TO OWNED INPUTS | 13.42 | 20.30 | 7.06 |
| PRICE (DOLLARS/BU.) | 2.49 | 2.18 | 1.82 |
| YIELD (BU./PLANTED ACRE) | 32.31 | 45.69 | 49.95 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 14--BARLEY PRODUCTION COSTS, NORTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 178.63 | 148.38 | 162.94 |
| SECONDARY CROP | 4.04 | 2.47 | 2.94 |
| TOTAL | 182.67 | 150.85 | 165.88 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 7.34 | 9.16 | 7.70 |
| FERTILIZER | 15.85 | 17.71 | 18.60 |
| CHEMICALS | 4.96 | 5.57 | 6.00 |
| CUSTOM OPERATIONS | .81 | .91 | .98 |
| FUEL AND LUBRICATION | 20.65 | 19.22 | 19.87 |
| REPAIRS | 13.05 | 13.17 | 14.72 |
| PURCHASED IRRIGATION WATER | .85 | .78 | .76 |
| MISCELLANEOUS | .16 | .14 | .15 |
| TOTAL, VARIABLE EXPENSES | 63.67 | 66.66 | 68.78 |
| GENERAL FARM OVERHEAD | 13.25 | 11.50 | 12.00 |
| TAXES AND INSURANCE | 11.08 | 12.03 | 11.05 |
| INTEREST | 32.44 | 26.56 | 27.71 |
| TOTAL, FIXED EXPENSES | 56.77 | 50.09 | 50.76 |
| TOTAL, CASH EXPENSES | 120.44 | 116.75 | 119.54 |
| RECEIPTS LESS CASH EXPENSES | 62.23 | 34.10 | 46.34 |
| CAPITAL REPLACEMENT | 31.63 | 33.67 | 37.35 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 30.60 | .43 | 8.99 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 63.67 | 66.66 | 68.78 |
| GENERAL FARM OVERHEAD | 13.25 | 11.50 | 12.00 |
| TAXES AND INSURANCE | 11.08 | 12.03 | 11.05 |
| CAPITAL REPLACEMENT | 31.63 | 33.67 | 37.35 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.80 | 2.37 | 1.93 |
| OTHER NONLAND CAPITAL | 11.81 | 12.30 | 13.69 |
| LAND | 51.60 | 61.17 | 63.78 |
| LABOR 1/ | 13.24 | 12.48 | 12.81 |
| RESIDUAL TO MANAGEMENT AND RISK | -15.41 | -61.33 | -55.51 |
| NET RETURNS TO OWNED INPUTS | 63.04 | 26.99 | 36.70 |
| PRICE (DOLLARS/BU.) | 2.68 | 2.63 | 2.61 |
| YIELD (BU./PLANTED ACRE) | 66.64 | 56.36 | 62.45 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 15--BARLEY PRODUCTION COSTS, SOUTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 124.30 | 144.32 | 140.53 |
| SECONDARY CROP | 12.62 | 15.22 | 17.38 |
| TOTAL | 136.92 | 159.54 | 157.91 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 5.29 | 6.98 | 7.24 |
| FERTILIZER | 18.86 | 20.45 | 22.05 |
| CHEMICALS | 4.12 | 4.54 | 5.00 |
| CUSTOM OPERATIONS | .70 | .69 | .79 |
| FUEL AND LUBRICATION | 18.65 | 20.22 | 21.90 |
| REPAIRS | 9.70 | 10.59 | 12.06 |
| PURCHASED IRRIGATION WATER | 8.90 | 9.80 | 10.39 |
| MISCELLANEOUS | .44 | .46 | .51 |
| TOTAL, VARIABLE EXPENSES | 66.66 | 73.73 | 79.94 |
| GENERAL FARM OVERHEAD | 10.92 | 14.69 | 15.90 |
| TAXES AND INSURANCE | 7.15 | 7.64 | 8.52 |
| INTEREST | 18.97 | 35.30 | 38.18 |
| TOTAL, FIXED EXPENSES | 37.04 | 57.63 | 62.60 |
| TOTAL, CASH EXPENSES | 103.70 | 131.36 | 142.54 |
| RECEIPTS LESS CASH EXPENSES | 33.22 | 28.18 | 15.37 |
| CAPITAL REPLACEMENT | 24.08 | 26.78 | 30.26 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 9.14 | 1.40 | -14.89 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 66.66 | 73.73 | 79.94 |
| GENERAL FARM OVERHEAD | 10.92 | 14.69 | 15.90 |
| TAXES AND INSURANCE | 7.15 | 7.64 | 8.52 |
| CAPITAL REPLACEMENT | 24.08 | 26.78 | 30.26 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.28 | 3.00 | 2.64 |
| OTHER NONLAND CAPITAL | 9.16 | 10.03 | 11.37 |
| LAND | 45.65 | 49.56 | 51.36 |
| LABOR 1/ | 20.86 | 21.17 | 27.27 |
| RESIDUAL TO MANAGEMENT AND RISK | -49.84 | -47.06 | -69.35 |
| NET RETURNS TO OWNED INPUTS | 28.11 | 36.70 | 23.29 |
| PRICE (DOLLARS/BU.) | 2.32 | 2.64 | 2.22 |
| YIELD (BU./PLANTED ACRE) | 53.61 | 54.70 | 63.32 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 16--BARLEY PRODUCTION COSTS, SOUTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|---------|---------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 174.87 | 177.27 | 156.73 |
| TOTAL | 174.87 | 177.27 | 156.73 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 9.31 | 11.23 | 10.62 |
| FERTILIZER | 20.80 | 22.25 | 24.74 |
| CHEMICALS | 5.29 | 5.87 | 6.21 |
| CUSTOM OPERATIONS | 8.77 | 9.09 | 10.38 |
| FUEL AND LUBRICATION | 24.97 | 27.13 | 30.21 |
| REPAIRS | 9.79 | 10.90 | 12.00 |
| PURCHASED IRRIGATION WATER | 4.56 | 4.88 | 5.09 |
| MISCELLANEOUS | .08 | .07 | .10 |
| TOTAL, VARIABLE EXPENSES | 83.57 | 91.42 | 99.35 |
| GENERAL FARM OVERHEAD | 10.86 | 11.72 | 12.76 |
| TAXES AND INSURANCE | 17.99 | 17.49 | 15.76 |
| INTEREST | 25.37 | 34.98 | 38.09 |
| TOTAL, FIXED EXPENSES | 54.22 | 64.19 | 66.61 |
| TOTAL, CASH EXPENSES | 137.79 | 155.61 | 165.96 |
| RECEIPTS LESS CASH EXPENSES | 37.08 | 21.66 | -9.23 |
| CAPITAL REPLACEMENT | 24.93 | 28.14 | 30.88 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 12.15 | -6.48 | -40.11 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 83.57 | 91.42 | 99.35 |
| GENERAL FARM OVERHEAD | 10.86 | 11.72 | 12.76 |
| TAXES AND INSURANCE | 17.99 | 17.49 | 15.76 |
| CAPITAL REPLACEMENT | 24.93 | 28.14 | 30.88 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 3.80 | 5.07 | 4.32 |
| OTHER NONLAND CAPITAL | 8.99 | 10.00 | 10.97 |
| LAND | 103.11 | 111.46 | 126.57 |
| LABOR 1/ | 20.22 | 21.23 | 22.70 |
| RESIDUAL TO MANAGEMENT AND RISK | -98.60 | -119.26 | -166.58 |
| NET RETURNS TO OWNED INPUTS | 37.52 | 28.50 | -2.02 |
| PRICE (DOLLARS/BU.) | 3.07 | 3.13 | 2.66 |
| YIELD (BU./PLANTED ACRE) | 56.90 | 56.57 | 58.90 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 17--U.S. OATS PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 74.28 | 91.15 | 77.16 |
| SECONDARY CROP | 27.24 | 30.22 | 26.54 |
| TOTAL | 101.52 | 121.37 | 103.70 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 5.63 | 7.13 | 6.99 |
| FERTILIZER | 9.26 | 9.26 | 8.68 |
| LIME | 1.08 | 1.10 | 1.00 |
| CHEMICALS | .87 | .95 | 1.00 |
| CUSTOM OPERATIONS | 3.49 | 3.75 | 3.78 |
| FUEL AND LUBRICATION | 10.34 | 11.70 | 11.20 |
| REPAIRS | 6.79 | 7.76 | 8.33 |
| MISCELLANEOUS | 1.24 | 1.22 | 1.23 |
| TOTAL, VARIABLE EXPENSES | 38.70 | 42.87 | 42.21 |
| GENERAL FARM OVERHEAD | 5.73 | 6.66 | 6.87 |
| TAXES AND INSURANCE | 10.57 | 10.70 | 11.55 |
| INTEREST | 11.20 | 16.92 | 17.61 |
| TOTAL, FIXED EXPENSES | 27.50 | 34.28 | 36.03 |
| TOTAL, CASH EXPENSES | 66.20 | 77.15 | 78.24 |
| RECEIPTS LESS CASH EXPENSES | 35.32 | 44.22 | 25.46 |
| CAPITAL REPLACEMENT | 16.60 | 18.95 | 20.11 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 18.72 | 25.27 | 5.35 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 38.70 | 42.87 | 42.21 |
| GENERAL FARM OVERHEAD | 5.73 | 6.66 | 6.87 |
| TAXES AND INSURANCE | 10.57 | 10.70 | 11.55 |
| CAPITAL REPLACEMENT | 16.60 | 18.95 | 20.11 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.21 | 1.61 | 1.28 |
| OTHER NONLAND CAPITAL | 6.33 | 7.17 | 7.61 |
| LAND | 49.02 | 49.39 | 48.62 |
| LABOR 1/ | 11.63 | 12.74 | 13.09 |
| RESIDUAL TO MANAGEMENT AND RISK | -38.27 | -28.72 | -47.64 |
| NET RETURNS TO OWNED INPUTS | 29.92 | 42.19 | 22.96 |
| PRICE (DOLLARS/BU.) | 1.49 | 1.73 | 1.41 |
| YIELD (BU./PLANTED ACRE) | 49.92 | 52.84 | 54.77 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 18--OATS PRODUCTION COSTS, LAKE STATES AND CORN BELT, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 84.63 | 103.47 | 80.50 |
| SECONDARY CROP | 31.32 | 33.23 | 34.00 |
| TOTAL | 115.95 | 136.70 | 114.50 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 6.14 | 7.54 | 7.73 |
| FERTILIZER | 10.42 | 10.83 | 10.49 |
| LIME | 1.64 | 1.80 | 1.73 |
| CHEMICALS | .73 | .80 | .87 |
| CUSTOM OPERATIONS | 3.32 | 3.55 | 3.61 |
| FUEL AND LUBRICATION | 12.15 | 13.70 | 13.37 |
| REPAIRS | 7.56 | 8.51 | 9.09 |
| MISCELLANEOUS | 1.55 | 1.54 | 1.60 |
| TOTAL, VARIABLE EXPENSES | 43.51 | 48.27 | 48.49 |
| GENERAL FARM OVERHEAD | 5.76 | 7.62 | 8.05 |
| TAXES AND INSURANCE | 13.03 | 13.10 | 14.67 |
| INTEREST | 12.36 | 20.47 | 21.61 |
| TOTAL, FIXED EXPENSES | 31.15 | 41.19 | 44.33 |
| TOTAL, CASH EXPENSES | 74.66 | 89.46 | 92.82 |
| RECEIPTS LESS CASH EXPENSES | 41.29 | 47.24 | 21.68 |
| CAPITAL REPLACEMENT | 18.35 | 20.50 | 21.70 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 22.94 | 26.74 | - .02 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 43.51 | 48.27 | 48.49 |
| GENERAL FARM OVERHEAD | 5.76 | 7.62 | 8.05 |
| TAXES AND INSURANCE | 13.03 | 13.10 | 14.67 |
| CAPITAL REPLACEMENT | 18.35 | 20.50 | 21.70 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.35 | 1.81 | 1.49 |
| OTHER NONLAND CAPITAL | 7.01 | 7.78 | 8.22 |
| LAND | 65.26 | 67.30 | 67.81 |
| LABOR 1/ | 13.59 | 14.93 | 15.40 |
| RESIDUAL TO MANAGEMENT AND RISK | -51.91 | -44.61 | -71.33 |
| NET RETURNS TO OWNED INPUTS | 35.30 | 47.21 | 21.59 |
| PRICE (DOLLARS/BU.) | 1.46 | 1.72 | 1.44 |
| YIELD (BU./PLANTED ACRE) | 57.92 | 60.05 | 55.80 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 19--OATS PRODUCTION COSTS, NORTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 98.99 | 103.64 | 89.50 |
| SECONDARY CROP | 43.45 | 62.94 | 62.49 |
| TOTAL | 142.44 | 166.58 | 151.99 |
| CASH EXPENSES: | | | |
| SEED | 6.90 | 9.25 | 8.68 |
| FERTILIZER | 20.39 | 21.28 | 20.78 |
| LIME | 1.79 | 1.92 | 1.97 |
| CHEMICALS | 3.06 | 3.32 | 3.56 |
| CUSTOM OPERATIONS | 6.91 | 7.35 | 7.67 |
| FUEL AND LUBRICATION | 12.86 | 15.39 | 14.45 |
| REPAIRS | 7.68 | 8.73 | 9.42 |
| MISCELLANEOUS | 1.75 | 1.80 | 1.91 |
| TOTAL, VARIABLE EXPENSES | 61.34 | 69.04 | 68.44 |
| GENERAL FARM OVERHEAD | 15.09 | 9.82 | 10.29 |
| TAXES AND INSURANCE | 11.77 | 13.25 | 13.90 |
| INTEREST | 21.77 | 15.25 | 15.98 |
| TOTAL, FIXED EXPENSES | 48.63 | 38.32 | 40.17 |
| TOTAL, CASH EXPENSES | 109.97 | 107.36 | 108.61 |
| RECEIPTS LESS CASH EXPENSES | 32.47 | 59.22 | 43.38 |
| CAPITAL REPLACEMENT | 18.13 | 20.37 | 22.02 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 14.34 | 38.85 | 21.36 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 61.34 | 69.04 | 68.44 |
| GENERAL FARM OVERHEAD | 15.09 | 9.82 | 10.29 |
| TAXES AND INSURANCE | 11.77 | 13.25 | 13.90 |
| CAPITAL REPLACEMENT | 18.13 | 20.37 | 22.02 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.10 | 2.85 | 2.35 |
| OTHER NONLAND CAPITAL | 7.05 | 7.87 | 8.49 |
| LAND | 42.94 | 44.82 | 44.81 |
| LABOR 1/ | 16.45 | 17.84 | 20.27 |
| RESIDUAL TO MANAGEMENT AND RISK | -32.43 | -19.28 | -38.58 |
| NET RETURNS TO OWNED INPUTS | 36.11 | 54.10 | 37.34 |
| PRICE (DOLLARS/BU.) | 1.72 | 1.76 | 1.53 |
| YIELD (BU./PLANTED ACRE) | 57.68 | 59.01 | 58.58 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 20--OATS PRODUCTION COSTS, NORTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|-------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 51.81 | 72.15 | 71.39 |
| SECONDARY CROP | 16.89 | 19.66 | 12.38 |
| TOTAL | 68.70 | 91.81 | 83.77 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 4.52 | 6.17 | 5.87 |
| FERTILIZER | 4.82 | 4.75 | 4.75 |
| CHEMICALS | .61 | .69 | .76 |
| CUSTOM OPERATIONS | 2.99 | 3.33 | 3.41 |
| FUEL AND LUBRICATION | 6.83 | 8.28 | 8.16 |
| REPAIRS | 5.34 | 6.57 | 7.28 |
| MISCELLANEOUS | .63 | .66 | .68 |
| TOTAL, VARIABLE EXPENSES | 25.74 | 30.45 | 30.91 |
| GENERAL FARM OVERHEAD | 3.53 | 4.74 | 4.98 |
| TAXES AND INSURANCE | 6.31 | 6.97 | 7.53 |
| INTEREST | 6.91 | 12.52 | 13.15 |
| TOTAL, FIXED EXPENSES | 16.75 | 24.23 | 25.66 |
| TOTAL, CASH EXPENSES | 42.49 | 54.68 | 56.57 |
| RECEIPTS LESS CASH EXPENSES | 26.21 | 37.13 | 27.20 |
| CAPITAL REPLACEMENT | 13.42 | 16.58 | 17.95 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 12.79 | 20.55 | 9.25 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 25.74 | 30.45 | 30.91 |
| GENERAL FARM OVERHEAD | 3.53 | 4.74 | 4.98 |
| TAXES AND INSURANCE | 6.31 | 6.97 | 7.53 |
| CAPITAL REPLACEMENT | 13.42 | 16.58 | 17.95 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | .77 | 1.08 | .88 |
| OTHER NONLAND CAPITAL | 5.05 | 6.20 | 6.77 |
| LAND | 24.05 | 26.30 | 26.68 |
| LABOR 1/ | 7.35 | 8.79 | 9.30 |
| RESIDUAL TO MANAGEMENT AND RISK | -17.52 | -9.30 | -21.23 |
| NET RETURNS TO OWNED INPUTS | 19.70 | 33.07 | 22.40 |
| PRICE (DOLLARS/BU.) | 1.47 | 1.72 | 1.35 |
| YIELD (BU./PLANTED ACRE) | 35.16 | 41.95 | 52.99 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 21--U.S. WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 112.41 | 114.35 | 110.23 |
| SECONDARY CROP | 4.07 | 5.36 | 5.70 |
| TOTAL | 116.48 | 119.71 | 115.93 |
| CASH EXPENSES: | | | |
| SEED | 6.51 | 7.16 | 6.56 |
| FERTILIZER | 13.63 | 16.79 | 15.97 |
| LIME | .23 | .34 | .38 |
| CHEMICALS | 2.23 | 2.29 | 2.39 |
| CUSTOM OPERATIONS | 2.94 | 3.17 | 3.42 |
| FUEL AND LUBRICATION | 10.62 | 12.27 | 12.13 |
| REPAIRS | 7.23 | 8.16 | 8.91 |
| PURCHASED IRRIGATION WATER | .29 | .29 | .29 |
| MISCELLANEOUS | .20 | .26 | .27 |
| TOTAL, VARIABLE EXPENSES | 43.88 | 50.73 | 50.32 |
| GENERAL FARM OVERHEAD | 7.08 | 7.39 | 7.66 |
| TAXES AND INSURANCE | 7.33 | 7.62 | 7.68 |
| INTEREST | 14.58 | 19.08 | 19.78 |
| TOTAL, FIXED EXPENSES | 28.99 | 34.09 | 35.12 |
| TOTAL, CASH EXPENSES | 72.87 | 84.82 | 85.44 |
| RECEIPTS LESS CASH EXPENSES | 43.61 | 34.89 | 30.49 |
| CAPITAL REPLACEMENT | 18.15 | 20.61 | 22.44 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 25.46 | 14.28 | 8.05 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 43.88 | 50.73 | 50.32 |
| GENERAL FARM OVERHEAD | 7.08 | 7.39 | 7.66 |
| TAXES AND INSURANCE | 7.33 | 7.62 | 7.68 |
| CAPITAL REPLACEMENT | 18.15 | 20.61 | 22.44 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.83 | 3.93 | 3.14 |
| OTHER NONLAND CAPITAL | 6.68 | 7.52 | 8.18 |
| LAND | 37.70 | 39.69 | 40.42 |
| LABOR 1/ | 9.28 | 10.36 | 10.89 |
| RESIDUAL TO MANAGEMENT AND RISK | -16.45 | -28.14 | -34.80 |
| NET RETURNS TO OWNED INPUTS | 40.04 | 33.36 | 27.83 |
| PRICE (DOLLARS/BU.) | 3.76 | 3.63 | 3.39 |
| YIELD (BU./PLANTED ACRE) | 29.87 | 31.47 | 32.56 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 22--U.S. HARD RED WINTER WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 105.31 | 96.98 | 102.24 |
| SECONDARY CROP | 2.82 | 2.86 | 2.82 |
| TOTAL | 108.13 | 99.84 | 105.06 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 4.90 | 5.02 | 4.91 |
| FERTILIZER | 10.23 | 12.35 | 11.58 |
| CHEMICALS | 1.49 | 1.67 | 1.74 |
| CUSTOM OPERATIONS | 3.78 | 3.96 | 4.18 |
| FUEL AND LUBRICATION | 11.30 | 12.84 | 12.82 |
| REPAIRS | 7.23 | 8.00 | 8.84 |
| PURCHASED IRRIGATION WATER | .29 | .35 | .32 |
| MISCELLANEOUS | .04 | .04 | .05 |
| TOTAL, VARIABLE EXPENSES | 39.26 | 44.23 | 44.44 |
| GENERAL FARM OVERHEAD | 7.00 | 6.66 | 6.87 |
| TAXES AND INSURANCE | 6.63 | 7.00 | 7.04 |
| INTEREST | 13.69 | 17.23 | 17.78 |
| TOTAL, FIXED EXPENSES | 27.32 | 30.89 | 31.69 |
| TOTAL, CASH EXPENSES | 66.58 | 75.12 | 76.13 |
| RECEIPTS LESS CASH EXPENSES | 41.55 | 24.72 | 28.93 |
| CAPITAL REPLACEMENT | 17.49 | 19.43 | 21.38 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 24.06 | 5.29 | 7.55 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 39.26 | 44.23 | 44.44 |
| GENERAL FARM OVERHEAD | 7.00 | 6.66 | 6.87 |
| TAXES AND INSURANCE | 6.63 | 7.00 | 7.04 |
| CAPITAL REPLACEMENT | 17.49 | 19.43 | 21.38 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.94 | 4.03 | 3.25 |
| OTHER NONLAND CAPITAL | 6.40 | 7.01 | 7.75 |
| LAND | 34.92 | 37.77 | 38.81 |
| LABOR 1/ | 9.39 | 9.98 | 10.81 |
| RESIDUAL TO MANAGEMENT AND RISK | -15.90 | -36.27 | -35.29 |
| NET RETURNS TO OWNED INPUTS | 37.75 | 22.52 | 25.33 |
| PRICE (DOLLARS/BU.) | 3.55 | 3.70 | 3.42 |
| YIELD (BU./PLANTED ACRE) | 29.66 | 26.22 | 29.91 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 23--HARD RED WINTER WHEAT PRODUCTION COSTS, CENTRAL PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 111.36 | 88.50 | 105.41 |
| SECONDARY CROP | 1.10 | 1.24 | 1.22 |
| TOTAL | 112.46 | 89.74 | 106.63 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 4.11 | 4.28 | 4.39 |
| FERTILIZER | 8.29 | 9.38 | 9.69 |
| CHEMICALS | .87 | .96 | 1.04 |
| CUSTOM OPERATIONS | 3.47 | 3.54 | 3.88 |
| FUEL AND LUBRICATION | 9.97 | 11.38 | 11.51 |
| REPAIRS | 6.99 | 7.57 | 8.57 |
| MISCELLANEOUS | .01 | .02 | .02 |
| TOTAL, VARIABLE EXPENSES | 33.71 | 37.13 | 39.10 |
| GENERAL FARM OVERHEAD | 7.18 | 5.84 | 6.12 |
| TAXES AND INSURANCE | 7.58 | 8.08 | 8.22 |
| INTEREST | 14.04 | 15.42 | 16.17 |
| TOTAL, FIXED EXPENSES | 28.80 | 29.34 | 30.51 |
| TOTAL, CASH EXPENSES | 62.51 | 66.47 | 69.61 |
| RECEIPTS LESS CASH EXPENSES | 49.95 | 23.27 | 37.02 |
| CAPITAL REPLACEMENT | 17.62 | 19.31 | 21.76 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 32.33 | 3.96 | 15.26 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.71 | 37.13 | 39.10 |
| GENERAL FARM OVERHEAD | 7.18 | 5.84 | 6.12 |
| TAXES AND INSURANCE | 7.58 | 8.08 | 8.22 |
| CAPITAL REPLACEMENT | 17.62 | 19.31 | 21.76 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.59 | 3.50 | 2.93 |
| OTHER NONLAND CAPITAL | 6.56 | 7.08 | 8.03 |
| LAND | 35.94 | 39.01 | 38.36 |
| LABOR 1/ | 8.32 | 8.56 | 9.70 |
| RESIDUAL TO MANAGEMENT AND RISK | -7.04 | -38.77 | -27.59 |
| NET RETURNS TO OWNED INPUTS | 46.37 | 19.38 | 31.43 |
| PRICE (DOLLARS/BU.) | 3.50 | 3.67 | 3.37 |
| YIELD (BU./PLANTED ACRE) | 31.79 | 24.09 | 31.27 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 24--HARD RED WINTER WHEAT PRODUCTION COSTS, NORTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 82.96 | 125.31 | 124.43 |
| SECONDARY CROP | .19 | .18 | .17 |
| TOTAL | 83.15 | 125.49 | 124.60 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 4.40 | 4.79 | 4.80 |
| FERTILIZER | 8.12 | 12.54 | 13.78 |
| CHEMICALS | 2.21 | 2.42 | 2.57 |
| CUSTOM OPERATIONS | 3.15 | 3.51 | 3.50 |
| FUEL AND LUBRICATION | 8.62 | 10.73 | 10.31 |
| REPAIRS | 6.73 | 8.23 | 8.92 |
| PURCHASED IRRIGATION WATER | .02 | .37 | .43 |
| MISCELLANEOUS | .01 | .02 | .02 |
| TOTAL, VARIABLE EXPENSES | 33.26 | 42.61 | 44.33 |
| GENERAL FARM OVERHEAD | 6.73 | 11.81 | 12.44 |
| TAXES AND INSURANCE | 5.73 | 7.22 | 7.57 |
| INTEREST | 15.71 | 35.28 | 37.13 |
| TOTAL, FIXED EXPENSES | 28.17 | 54.31 | 57.14 |
| TOTAL, CASH EXPENSES | 61.43 | 96.92 | 101.47 |
| RECEIPTS LESS CASH EXPENSES | 21.72 | 28.57 | 23.13 |
| CAPITAL REPLACEMENT | 17.48 | 21.48 | 23.00 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 4.24 | 7.09 | .13 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.26 | 42.61 | 44.33 |
| GENERAL FARM OVERHEAD | 6.73 | 11.81 | 12.44 |
| TAXES AND INSURANCE | 5.73 | 7.22 | 7.57 |
| CAPITAL REPLACEMENT | 17.48 | 21.48 | 23.00 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.84 | 4.32 | 3.70 |
| OTHER NONLAND CAPITAL | 6.35 | 7.81 | 8.36 |
| LAND | 28.74 | 37.94 | 40.53 |
| LABOR 1/ | 6.02 | 7.77 | 8.71 |
| RESIDUAL TO MANAGEMENT AND RISK | -24.00 | -15.47 | -24.04 |
| NET RETURNS TO OWNED INPUTS | 19.95 | 42.37 | 37.26 |
| PRICE (DOLLARS/BU.) | 3.59 | 3.52 | 3.44 |
| YIELD (BU./PLANTED ACRE) | 23.12 | 35.60 | 36.18 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 25--HARD RED WINTER WHEAT PRODUCTION COSTS, SOUTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 87.23 | 86.35 | 83.18 |
| SECONDARY CROP | 5.42 | 5.38 | 5.20 |
| TOTAL | 92.65 | 91.73 | 88.38 |
| CASH EXPENSES: | | | |
| SEED | 5.39 | 5.26 | 5.02 |
| FERTILIZER | 12.45 | 15.34 | 12.59 |
| CHEMICALS | 1.75 | 1.91 | 2.03 |
| CUSTOM OPERATIONS | 3.95 | 4.14 | 4.27 |
| FUEL AND LUBRICATION | 12.88 | 14.25 | 14.13 |
| REPAIRS | 7.38 | 8.14 | 8.86 |
| MISCELLANEOUS | .07 | .07 | .07 |
| TOTAL, VARIABLE EXPENSES | 43.87 | 49.11 | 46.97 |
| GENERAL FARM OVERHEAD | 5.95 | 5.63 | 5.86 |
| TAXES AND INSURANCE | 4.33 | 4.54 | 4.62 |
| INTEREST | 10.35 | 13.51 | 14.07 |
| TOTAL, FIXED EXPENSES | 20.63 | 23.68 | 24.55 |
| TOTAL, CASH EXPENSES | 64.50 | 72.79 | 71.52 |
| RECEIPTS LESS CASH EXPENSES | 28.15 | 18.94 | 16.86 |
| CAPITAL REPLACEMENT | 16.44 | 18.12 | 19.63 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 11.71 | .82 | -2.77 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 43.87 | 49.11 | 46.97 |
| GENERAL FARM OVERHEAD | 5.95 | 5.63 | 5.86 |
| TAXES AND INSURANCE | 4.33 | 4.54 | 4.62 |
| CAPITAL REPLACEMENT | 16.44 | 18.12 | 19.63 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 3.28 | 4.42 | 3.40 |
| OTHER NONLAND CAPITAL | 5.84 | 6.37 | 6.90 |
| LAND | 28.44 | 29.75 | 32.83 |
| LABOR 1/ | 10.00 | 10.60 | 11.18 |
| RESIDUAL TO MANAGEMENT AND RISK | -25.50 | -36.81 | -43.01 |
| NET RETURNS TO OWNED INPUTS | 22.06 | 14.33 | 11.30 |
| PRICE (DOLLARS/BU.) | 3.56 | 3.72 | 3.45 |
| YIELD (BU./PLANTED ACRE) | 24.51 | 23.18 | 24.14 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 26--HARD RED WINTER WHEAT PRODUCTION COSTS, SOUTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|---------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 266.81 | 287.45 | 243.82 |
| SECONDARY CROP | 9.78 | 6.80 | 8.30 |
| TOTAL | 276.59 | 294.25 | 252.12 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 14.29 | 14.72 | 13.85 |
| FERTILIZER | 23.53 | 25.33 | 27.46 |
| CHEMICALS | 7.66 | 8.36 | 8.86 |
| CUSTOM OPERATIONS | 9.28 | 9.71 | 10.59 |
| FUEL AND LUBRICATION | 23.38 | 25.58 | 26.96 |
| REPAIRS | 11.11 | 12.74 | 13.66 |
| PURCHASED IRRIGATION WATER | 9.46 | 10.28 | 10.76 |
| MISCELLANEOUS | .25 | .31 | .33 |
| TOTAL, VARIABLE EXPENSES | 98.96 | 107.03 | 112.47 |
| GENERAL FARM OVERHEAD | 16.64 | 18.54 | 19.48 |
| TAXES AND INSURANCE | 19.00 | 17.93 | 16.39 |
| INTEREST | 40.74 | 42.83 | 45.00 |
| TOTAL, FIXED EXPENSES | 76.38 | 79.30 | 80.87 |
| TOTAL, CASH EXPENSES | 175.34 | 186.33 | 193.34 |
| RECEIPTS LESS CASH EXPENSES | 101.25 | 107.92 | 58.78 |
| CAPITAL REPLACEMENT | 27.24 | 31.36 | 33.84 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 74.01 | 76.56 | 24.94 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 98.96 | 107.03 | 112.47 |
| GENERAL FARM OVERHEAD | 16.64 | 18.54 | 19.48 |
| TAXES AND INSURANCE | 19.00 | 17.93 | 16.39 |
| CAPITAL REPLACEMENT | 27.24 | 31.36 | 33.84 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 5.59 | 7.29 | 6.12 |
| OTHER NONLAND CAPITAL | 10.07 | 11.49 | 12.33 |
| LAND | 107.96 | 112.39 | 126.43 |
| LABOR 1/ | 29.93 | 32.05 | 33.24 |
| RESIDUAL TO MANAGEMENT AND RISK | -38.80 | -43.83 | -108.18 |
| NET RETURNS TO OWNED INPUTS | 114.75 | 119.39 | 69.94 |
| PRICE (DOLLARS/BU.) | 3.86 | 3.97 | 3.67 |
| YIELD (BU./PLANTED ACRE) | 69.03 | 72.43 | 66.41 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 27--U.S. SOFT RED WINTER WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 153.97 | 140.79 | 110.56 |
| SECONDARY CROP | 17.89 | 20.25 | 21.11 |
| TOTAL | 171.86 | 161.04 | 131.67 |
| CASH EXPENSES: | | | |
| SEED | 10.93 | 11.34 | 10.01 |
| FERTILIZER | 33.13 | 36.08 | 31.89 |
| LIME | 1.52 | 1.75 | 1.88 |
| CHEMICALS | .54 | .68 | .80 |
| CUSTOM OPERATIONS | 3.27 | 3.49 | 3.78 |
| FUEL AND LUBRICATION | 10.54 | 12.06 | 11.60 |
| REPAIRS | 6.45 | 7.30 | 7.76 |
| MISCELLANEOUS | 1.19 | 1.15 | 1.19 |
| TOTAL, VARIABLE EXPENSES | 67.57 | 73.85 | 68.91 |
| GENERAL FARM OVERHEAD | 8.66 | 7.30 | 7.50 |
| TAXES AND INSURANCE | 9.28 | 8.30 | 8.40 |
| INTEREST | 18.58 | 19.45 | 20.06 |
| TOTAL, FIXED EXPENSES | 36.52 | 35.05 | 35.96 |
| TOTAL, CASH EXPENSES | 104.09 | 108.90 | 104.87 |
| RECEIPTS LESS CASH EXPENSES | 67.77 | 52.14 | 26.80 |
| CAPITAL REPLACEMENT | 17.55 | 19.81 | 21.05 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 50.22 | 32.33 | 5.75 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 67.57 | 73.85 | 68.91 |
| GENERAL FARM OVERHEAD | 8.66 | 7.30 | 7.50 |
| TAXES AND INSURANCE | 9.28 | 8.30 | 8.40 |
| CAPITAL REPLACEMENT | 17.55 | 19.81 | 21.05 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.28 | 5.59 | 4.15 |
| OTHER NONLAND CAPITAL | 6.50 | 7.25 | 7.64 |
| LAND | 52.19 | 46.55 | 42.68 |
| LABOR ^{1/} | 11.82 | 13.00 | 13.14 |
| RESIDUAL TO MANAGEMENT AND RISK | -5.99 | -20.61 | -41.80 |
| NET RETURNS TO OWNED INPUTS | 68.80 | 51.78 | 25.81 |
| PRICE (DOLLARS/BU.) | 3.79 | 3.43 | 3.15 |
| YIELD (BU./PLANTED ACRE) | 40.63 | 41.04 | 35.07 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 28--SOFT RED WINTER WHEAT PRODUCTION COSTS,
LAKE STATES AND CORN BELT, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 169.84 | 145.71 | 112.92 |
| SECONDARY CROP | 16.20 | 17.58 | 20.41 |
| TOTAL | 186.04 | 163.29 | 133.33 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 10.72 | 10.69 | 9.64 |
| FERTILIZER | 33.98 | 36.38 | 30.08 |
| LIME | .98 | 1.07 | 1.06 |
| CHEMICALS | .34 | .37 | .40 |
| CUSTOM OPERATIONS | 2.99 | 3.11 | 3.22 |
| FUEL AND LUBRICATION | 10.18 | 11.30 | 10.84 |
| REPAIRS | 6.38 | 7.10 | 7.42 |
| MISCELLANEOUS | 1.36 | 1.35 | 1.46 |
| TOTAL, VARIABLE EXPENSES | 66.93 | 71.37 | 64.12 |
| GENERAL FARM OVERHEAD | 8.71 | 7.62 | 8.02 |
| TAXES AND INSURANCE | 11.82 | 11.13 | 12.79 |
| INTEREST | 18.71 | 20.46 | 21.54 |
| TOTAL, FIXED EXPENSES | 39.24 | 39.21 | 42.35 |
| TOTAL, CASH EXPENSES | 106.17 | 110.58 | 106.47 |
| RECEIPTS LESS CASH EXPENSES | 79.87 | 52.71 | 26.86 |
| CAPITAL REPLACEMENT | 17.69 | 19.90 | 20.88 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 62.18 | 32.81 | 5.98 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 66.93 | 71.37 | 64.12 |
| GENERAL FARM OVERHEAD | 8.71 | 7.62 | 8.02 |
| TAXES AND INSURANCE | 11.82 | 11.13 | 12.79 |
| CAPITAL REPLACEMENT | 17.69 | 19.90 | 20.88 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.29 | 5.55 | 4.05 |
| OTHER NONLAND CAPITAL | 6.62 | 7.36 | 7.70 |
| LAND | 67.83 | 64.16 | 63.80 |
| LABOR ^{1/} | 11.67 | 12.83 | 12.92 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.52 | -36.63 | -60.95 |
| NET RETURNS TO OWNED INPUTS | 80.89 | 53.27 | 27.52 |
| PRICE (DOLLARS/BU.) | 3.80 | 3.42 | 3.14 |
| YIELD (BU./PLANTED ACRE) | 44.73 | 42.55 | 35.94 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 29--SOFT RED WINTER WHEAT PRODUCTION COSTS, NORTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 151.68 | 122.08 | 116.91 |
| SECONDARY CROP | 42.51 | 66.56 | 72.04 |
| TOTAL | 194.19 | 188.64 | 188.95 |
| CASH EXPENSES: | | | |
| SEED | 12.16 | 13.98 | 11.42 |
| FERTILIZER | 37.31 | 41.19 | 35.44 |
| LIME | 2.79 | 3.06 | 3.21 |
| CHEMICALS | .11 | .12 | .13 |
| CUSTOM OPERATIONS | 5.28 | 5.62 | 5.86 |
| FUEL AND LUBRICATION | 12.43 | 14.47 | 13.64 |
| REPAIRS | 7.81 | 8.80 | 9.50 |
| MISCELLANEOUS | 1.88 | 1.94 | 2.05 |
| TOTAL, VARIABLE EXPENSES | 79.77 | 89.18 | 81.25 |
| GENERAL FARM OVERHEAD | 19.37 | 10.59 | 11.10 |
| TAXES AND INSURANCE | 13.87 | 15.39 | 16.29 |
| INTEREST | 27.94 | 16.44 | 17.23 |
| TOTAL, FIXED EXPENSES | 61.18 | 42.42 | 44.62 |
| TOTAL, CASH EXPENSES | 140.95 | 131.60 | 125.87 |
| RECEIPTS LESS CASH EXPENSES | 53.24 | 57.04 | 63.08 |
| CAPITAL REPLACEMENT | 19.16 | 21.40 | 23.13 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 34.08 | 35.64 | 39.95 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 79.77 | 89.18 | 81.25 |
| GENERAL FARM OVERHEAD | 19.37 | 10.59 | 11.10 |
| TAXES AND INSURANCE | 13.87 | 15.39 | 16.29 |
| CAPITAL REPLACEMENT | 19.16 | 21.40 | 23.13 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 6.02 | 8.17 | 6.04 |
| OTHER NONLAND CAPITAL | 7.41 | 8.23 | 8.88 |
| LAND | 58.39 | 60.31 | 58.55 |
| LABOR ^{1/} | 15.86 | 17.10 | 19.40 |
| RESIDUAL TO MANAGEMENT AND RISK | -25.66 | -41.73 | -35.69 |
| NET RETURNS TO OWNED INPUTS | 62.02 | 52.08 | 57.18 |
| PRICE (DOLLARS/BU.) | 3.97 | 3.28 | 3.26 |
| YIELD (BU./PLANTED ACRE) | 38.18 | 37.24 | 35.91 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 30--SOFT RED WINTER WHEAT PRODUCTION COSTS, SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 124.90 | 135.87 | 108.40 |
| SECONDARY CROP | 18.36 | 20.70 | 19.58 |
| TOTAL | 143.26 | 156.57 | 127.98 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 11.18 | 11.98 | 10.26 |
| FERTILIZER | 31.08 | 35.37 | 33.20 |
| LIME | 2.40 | 2.50 | 2.49 |
| CHEMICALS | .94 | 1.08 | 1.15 |
| CUSTOM OPERATIONS | 3.54 | 3.82 | 4.15 |
| FUEL AND LUBRICATION | 11.00 | 12.85 | 12.13 |
| REPAIRS | 6.42 | 7.46 | 7.97 |
| MISCELLANEOUS | .79 | .85 | .92 |
| TOTAL, VARIABLE EXPENSES | 67.35 | 75.91 | 72.27 |
| GENERAL FARM OVERHEAD | 7.42 | 6.71 | 6.93 |
| TAXES AND INSURANCE | 4.09 | 4.37 | 4.53 |
| INTEREST | 17.33 | 18.40 | 18.99 |
| TOTAL, FIXED EXPENSES | 28.84 | 29.48 | 30.45 |
| TOTAL, CASH EXPENSES | 96.19 | 105.39 | 102.72 |
| RECEIPTS LESS CASH EXPENSES | 47.07 | 51.18 | 25.26 |
| CAPITAL REPLACEMENT | 17.11 | 19.59 | 21.11 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 29.96 | 31.59 | 4.15 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 67.35 | 75.91 | 72.27 |
| GENERAL FARM OVERHEAD | 7.42 | 6.71 | 6.93 |
| TAXES AND INSURANCE | 4.09 | 4.37 | 4.53 |
| CAPITAL REPLACEMENT | 17.11 | 19.59 | 21.11 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.08 | 5.47 | 4.16 |
| OTHER NONLAND CAPITAL | 6.18 | 7.04 | 7.53 |
| LAND | 22.64 | 23.90 | 24.95 |
| LABOR 1/ | 11.65 | 12.97 | 13.05 |
| RESIDUAL TO MANAGEMENT AND RISK | 2.74 | .61 | -26.55 |
| NET RETURNS TO OWNED INPUTS | 47.29 | 49.99 | 23.14 |
| PRICE (DOLLARS/BU.) | 3.75 | 3.45 | 3.16 |
| YIELD (BU./PLANTED ACRE) | 33.33 | 39.40 | 34.33 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR;
THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 31--U.S. WHITE WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 194.77 | 212.09 | 186.88 |
| TOTAL | 194.77 | 212.09 | 186.88 |
| CASH EXPENSES: | | | |
| SEED | 7.37 | 6.72 | 6.33 |
| FERTILIZER | 18.72 | 23.24 | 23.36 |
| CHEMICALS | 6.48 | 7.20 | 7.75 |
| CUSTOM OPERATIONS | 2.97 | 3.21 | 3.48 |
| FUEL AND LUBRICATION | 12.24 | 13.63 | 13.21 |
| REPAIRS | 9.54 | 10.74 | 11.45 |
| PURCHASED IRRIGATION WATER | 1.82 | 1.82 | 1.99 |
| MISCELLANEOUS | .13 | .13 | .13 |
| TOTAL, VARIABLE EXPENSES | 59.27 | 66.69 | 67.70 |
| GENERAL FARM OVERHEAD | 12.74 | 14.61 | 15.38 |
| TAXES AND INSURANCE | 11.64 | 13.00 | 11.15 |
| INTEREST | 31.20 | 33.75 | 35.52 |
| TOTAL, FIXED EXPENSES | 55.58 | 61.36 | 62.05 |
| TOTAL, CASH EXPENSES | 114.85 | 128.05 | 129.75 |
| RECEIPTS LESS CASH EXPENSES | 79.92 | 84.04 | 57.13 |
| CAPITAL REPLACEMENT | 26.46 | 29.98 | 31.99 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 53.46 | 54.06 | 25.14 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 59.27 | 66.69 | 67.70 |
| GENERAL FARM OVERHEAD | 12.74 | 14.61 | 15.38 |
| TAXES AND INSURANCE | 11.64 | 13.00 | 11.15 |
| CAPITAL REPLACEMENT | 26.46 | 29.98 | 31.99 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 3.93 | 5.43 | 4.43 |
| OTHER NONLAND CAPITAL | 9.54 | 10.74 | 11.40 |
| LAND | 54.50 | 65.18 | 69.50 |
| LABOR ^{1/} | 10.20 | 10.76 | 10.90 |
| RESIDUAL TO MANAGEMENT AND RISK | 6.49 | -4.30 | -35.57 |
| NET RETURNS TO OWNED INPUTS | 84.66 | 87.81 | 60.66 |
| PRICE (DOLLARS/BU.) | 3.68 | 3.84 | 3.77 |
| YIELD (BU./PLANTED ACRE) | 52.90 | 55.22 | 49.63 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 32--U.S. HARD RED SPRING WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 73.40 | 105.23 | 109.70 |
| TOTAL | 73.40 | 105.23 | 109.70 |
| CASH EXPENSES: | | | |
| SEED | 6.70 | 7.86 | 7.16 |
| FERTILIZER | 8.84 | 9.70 | 10.24 |
| CHEMICALS | 3.36 | 3.65 | 3.85 |
| CUSTOM OPERATIONS | 1.36 | 1.50 | 1.66 |
| FUEL AND LUBRICATION | 8.82 | 10.77 | 10.65 |
| REPAIRS | 6.84 | 8.31 | 9.23 |
| PURCHASED IRRIGATION WATER | .01 | .01 | .01 |
| TOTAL, VARIABLE EXPENSES | 35.93 | 41.80 | 42.80 |
| GENERAL FARM OVERHEAD | 4.64 | 7.36 | 7.68 |
| TAXES AND INSURANCE | 6.32 | 6.91 | 7.50 |
| INTEREST | 9.09 | 19.44 | 20.30 |
| TOTAL, FIXED EXPENSES | 20.05 | 33.71 | 35.48 |
| TOTAL, CASH EXPENSES | 55.98 | 75.51 | 78.28 |
| RECEIPTS LESS CASH EXPENSES | 17.42 | 29.72 | 31.42 |
| CAPITAL REPLACEMENT | 17.09 | 20.92 | 23.17 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | .33 | 8.80 | 8.25 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.93 | 41.80 | 42.80 |
| GENERAL FARM OVERHEAD | 4.64 | 7.36 | 7.68 |
| TAXES AND INSURANCE | 6.32 | 6.91 | 7.50 |
| CAPITAL REPLACEMENT | 17.09 | 20.92 | 23.17 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.51 | 1.68 | 1.71 |
| OTHER NONLAND CAPITAL | 6.37 | 7.85 | 8.72 |
| LAND | 30.33 | 32.06 | 34.36 |
| LABOR ^{1/} | 7.18 | 8.51 | 8.90 |
| RESIDUAL TO MANAGEMENT AND RISK | -35.97 | -21.86 | -25.14 |
| NET RETURNS TO OWNED INPUTS | 9.42 | 28.24 | 28.55 |
| PRICE (DOLLARS/BU.) | 3.97 | 3.69 | 3.46 |
| YIELD (BU./PLANTED ACRE) | 18.51 | 28.51 | 31.68 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 33--U.S. DURUM WHEAT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 100.27 | 97.59 | 96.24 |
| TOTAL | 100.27 | 97.59 | 96.24 |
| CASH EXPENSES: | | | |
| SEED | 7.13 | 9.37 | 7.18 |
| FERTILIZER | 5.16 | 6.40 | 7.05 |
| CHEMICALS | 3.09 | 3.34 | 3.52 |
| CUSTOM OPERATIONS | .83 | .93 | .95 |
| FUEL AND LUBRICATION | 9.45 | 11.60 | 11.51 |
| REPAIRS | 7.46 | 9.03 | 10.06 |
| TOTAL, VARIABLE EXPENSES | 33.12 | 40.67 | 40.27 |
| GENERAL FARM OVERHEAD | 5.28 | 6.27 | 6.54 |
| TAXES AND INSURANCE | 6.43 | 7.07 | 7.64 |
| INTEREST | 10.34 | 16.56 | 17.28 |
| TOTAL, FIXED EXPENSES | 22.05 | 29.90 | 31.46 |
| TOTAL, CASH EXPENSES | 55.17 | 70.57 | 71.73 |
| RECEIPTS LESS CASH EXPENSES | 45.10 | 27.02 | 24.51 |
| CAPITAL REPLACEMENT | 18.21 | 22.02 | 24.27 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 26.89 | 5.00 | .24 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.12 | 40.67 | 40.27 |
| GENERAL FARM OVERHEAD | 5.28 | 6.27 | 6.54 |
| TAXES AND INSURANCE | 6.43 | 7.07 | 7.64 |
| CAPITAL REPLACEMENT | 18.21 | 22.02 | 24.27 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.56 | 2.19 | 1.75 |
| OTHER NONLAND CAPITAL | 6.81 | 8.26 | 9.13 |
| LAND | 30.07 | 31.13 | 34.82 |
| LABOR ^{1/} | 8.28 | 10.12 | 9.75 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.49 | -30.14 | -37.93 |
| NET RETURNS TO OWNED INPUTS | 37.23 | 21.56 | 17.52 |
| PRICE (DOLLARS/BU.) | 5.99 | 3.51 | 3.09 |
| YIELD (BU./PLANTED ACRE) | 16.74 | 27.83 | 31.12 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 34--U.S. RICE PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 462.37 | 487.67 | 353.80 |
| TOTAL | 462.37 | 487.67 | 353.80 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 28.94 | 29.95 | 26.09 |
| FERTILIZER | 36.04 | 38.85 | 37.76 |
| CHEMICALS | 22.93 | 25.08 | 26.65 |
| CUSTOM OPERATIONS | 28.88 | 30.64 | 32.91 |
| FUEL AND LUBRICATION | 43.41 | 50.06 | 49.96 |
| REPAIRS | 18.27 | 20.21 | 22.02 |
| PURCHASED IRRIGATION WATER | 7.91 | 7.66 | 8.19 |
| DRYING | 29.30 | 35.78 | 36.35 |
| MISCELLANEOUS | .26 | .26 | .24 |
| TOTAL, VARIABLE EXPENSES | 215.94 | 238.49 | 240.17 |
| GENERAL FARM OVERHEAD | 27.95 | 26.00 | 27.31 |
| TAXES AND INSURANCE | 9.86 | 9.74 | 10.32 |
| INTEREST | 62.55 | 72.39 | 75.59 |
| TOTAL, FIXED EXPENSES | 100.36 | 108.13 | 113.22 |
| TOTAL, CASH EXPENSES | 316.30 | 346.62 | 353.39 |
| RECEIPTS LESS CASH EXPENSES | 146.07 | 141.05 | .41 |
| CAPITAL REPLACEMENT | 40.15 | 44.97 | 48.99 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 105.92 | 96.08 | -48.58 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 215.94 | 238.49 | 240.17 |
| GENERAL FARM OVERHEAD | 27.95 | 26.00 | 27.31 |
| TAXES AND INSURANCE | 9.86 | 9.74 | 10.32 |
| CAPITAL REPLACEMENT | 40.15 | 44.97 | 48.99 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 8.40 | 10.84 | 8.80 |
| OTHER NONLAND CAPITAL | 14.24 | 15.73 | 17.09 |
| LAND | 54.54 | 54.19 | 64.33 |
| LABOR ^{1/} | 31.39 | 34.10 | 36.61 |
| RESIDUAL TO MANAGEMENT AND RISK | 59.90 | 53.61 | -99.82 |
| NET RETURNS TO OWNED INPUTS | 168.47 | 168.47 | 27.01 |
| PRICE (DOLLARS/CWT.) | 10.69 | 10.21 | 7.54 |
| YIELD (CWT./PLANTED ACRE) | 43.24 | 47.75 | 46.94 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 35--RICE PRODUCTION COSTS, ARKANSAS (NON-DELTA), 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 426.21 | 450.74 | 327.69 |
| TOTAL | 426.21 | 450.74 | 327.69 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 31.74 | 31.82 | 24.88 |
| FERTILIZER | 34.51 | 36.74 | 36.09 |
| CHEMICALS | 21.61 | 23.59 | 25.30 |
| CUSTOM OPERATIONS | 21.63 | 22.93 | 24.58 |
| FUEL AND LUBRICATION | 45.45 | 54.48 | 53.06 |
| REPAIRS | 17.42 | 19.22 | 20.92 |
| PURCHASED IRRIGATION WATER | 1.07 | 1.07 | 1.14 |
| DRYING | 29.99 | 35.89 | 33.98 |
| TOTAL, VARIABLE EXPENSES | 203.42 | 225.74 | 219.95 |
| GENERAL FARM OVERHEAD | 25.38 | 24.04 | 25.20 |
| TAXES AND INSURANCE | 7.74 | 8.23 | 8.73 |
| INTEREST | 64.80 | 57.29 | 60.04 |
| TOTAL, FIXED EXPENSES | 97.92 | 89.56 | 93.97 |
| TOTAL, CASH EXPENSES | 301.34 | 315.30 | 313.92 |
| RECEIPTS LESS CASH EXPENSES | 124.87 | 135.44 | 13.77 |
| CAPITAL REPLACEMENT | 38.12 | 42.31 | 46.04 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 86.75 | 93.13 | -32.27 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 203.42 | 225.74 | 219.95 |
| GENERAL FARM OVERHEAD | 25.38 | 24.04 | 25.20 |
| TAXES AND INSURANCE | 7.74 | 8.23 | 8.73 |
| CAPITAL REPLACEMENT | 38.12 | 42.31 | 46.04 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 7.77 | 10.10 | 8.06 |
| OTHER NONLAND CAPITAL | 13.91 | 15.25 | 16.57 |
| LAND | 42.53 | 46.84 | 52.46 |
| LABOR ^{1/} | 32.41 | 34.64 | 39.29 |
| RESIDUAL TO MANAGEMENT AND RISK | 54.93 | 43.59 | -88.61 |
| NET RETURNS TO OWNED INPUTS | 151.55 | 150.42 | 27.77 |
| PRICE (DOLLARS/CWT.) | 10.30 | 9.95 | 7.64 |
| YIELD (CWT./PLANTED ACRE) | 41.38 | 45.30 | 42.89 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 36--RICE PRODUCTION COSTS, CALIFORNIA, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 697.05 | 671.87 | 495.45 |
| TOTAL | 697.05 | 671.87 | 495.45 |
| CASH EXPENSES: | | | |
| SEED | 25.79 | 30.68 | 31.33 |
| FERTILIZER | 41.48 | 43.66 | 45.35 |
| CHEMICALS | 20.60 | 22.41 | 24.03 |
| CUSTOM OPERATIONS | 48.54 | 52.90 | 56.66 |
| FUEL AND LUBRICATION | 25.76 | 28.97 | 29.32 |
| REPAIRS | 20.16 | 22.95 | 25.04 |
| PURCHASED IRRIGATION WATER | 18.37 | 19.81 | 21.25 |
| DRYING | 37.62 | 45.43 | 49.72 |
| TOTAL, VARIABLE EXPENSES | 238.32 | 266.81 | 282.70 |
| GENERAL FARM OVERHEAD | 41.00 | 38.03 | 39.85 |
| TAXES AND INSURANCE | 18.85 | 19.14 | 18.06 |
| INTEREST | 100.39 | 87.87 | 92.08 |
| TOTAL, FIXED EXPENSES | 160.24 | 145.04 | 149.99 |
| TOTAL, CASH EXPENSES | 398.56 | 411.85 | 432.69 |
| RECEIPTS LESS CASH EXPENSES | 298.49 | 260.02 | 62.76 |
| CAPITAL REPLACEMENT | 39.27 | 45.23 | 49.34 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 259.22 | 214.79 | 13.42 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 238.32 | 266.81 | 282.70 |
| GENERAL FARM OVERHEAD | 41.00 | 38.03 | 39.85 |
| TAXES AND INSURANCE | 18.85 | 19.14 | 18.06 |
| CAPITAL REPLACEMENT | 39.27 | 45.23 | 49.34 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 8.51 | 11.21 | 9.47 |
| OTHER NONLAND CAPITAL | 13.48 | 15.26 | 16.61 |
| LAND | 101.05 | 114.09 | 125.95 |
| LABOR ^{1/} | 30.92 | 32.77 | 34.55 |
| RESIDUAL TO MANAGEMENT AND RISK | 205.65 | 129.33 | -81.08 |
| NET RETURNS TO OWNED INPUTS | 359.61 | 302.66 | 105.50 |
| PRICE (DOLLARS/CWT.) | 10.90 | 9.85 | 7.30 |
| YIELD (CWT./PLANTED ACRE) | 63.95 | 68.21 | 67.87 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 37--RICE PRODUCTION COSTS, DELTA, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 372.28 | 441.71 | 311.47 |
| TOTAL | 372.28 | 441.71 | 311.47 |
| CASH EXPENSES: | | | |
| SEED | 30.58 | 30.58 | 23.91 |
| FERTILIZER | 26.96 | 30.75 | 28.57 |
| CHEMICALS | 27.04 | 29.44 | 31.55 |
| CUSTOM OPERATIONS | 26.42 | 28.34 | 30.35 |
| FUEL AND LUBRICATION | 43.54 | 52.07 | 52.77 |
| REPAIRS | 15.16 | 16.92 | 18.46 |
| DRYING | 26.73 | 32.09 | 31.21 |
| TOTAL, VARIABLE EXPENSES | 196.43 | 220.19 | 216.82 |
| GENERAL FARM OVERHEAD | 22.07 | 22.23 | 23.30 |
| TAXES AND INSURANCE | 6.88 | 7.09 | 8.08 |
| INTEREST | 52.51 | 97.37 | 102.05 |
| TOTAL, FIXED EXPENSES | 81.46 | 126.69 | 133.43 |
| TOTAL, CASH EXPENSES | 277.89 | 346.88 | 350.25 |
| RECEIPTS LESS CASH EXPENSES | 94.39 | 94.83 | -38.78 |
| CAPITAL REPLACEMENT | 35.36 | 39.71 | 43.32 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 59.03 | 55.12 | -82.10 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 196.43 | 220.19 | 216.82 |
| GENERAL FARM OVERHEAD | 22.07 | 22.23 | 23.30 |
| TAXES AND INSURANCE | 6.88 | 7.09 | 8.08 |
| CAPITAL REPLACEMENT | 35.36 | 39.71 | 43.32 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 7.43 | 9.79 | 7.70 |
| OTHER NONLAND CAPITAL | 12.84 | 14.22 | 15.48 |
| LAND | 40.34 | 42.20 | 50.28 |
| LABOR ^{1/} | 27.68 | 30.34 | 30.11 |
| RESIDUAL TO MANAGEMENT AND RISK | 23.25 | 55.94 | -83.62 |
| NET RETURNS TO OWNED INPUTS | 111.54 | 152.49 | 19.95 |
| PRICE (DOLLARS/CWT.) | 10.13 | 10.43 | 7.56 |
| YIELD (CWT./PLANTED ACRE) | 36.75 | 42.35 | 41.20 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 38---RICE PRODUCTION COSTS, GULF COAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|---------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 431.64 | 466.07 | 335.66 |
| TOTAL | 431.64 | 466.07 | 335.66 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 26.98 | 27.01 | 26.19 |
| FERTILIZER | 40.37 | 45.27 | 42.65 |
| CHEMICALS | 22.70 | 24.49 | 25.69 |
| CUSTOM OPERATIONS | 26.91 | 28.84 | 30.47 |
| FUEL AND LUBRICATION | 50.54 | 55.06 | 56.07 |
| REPAIRS | 20.03 | 22.53 | 24.38 |
| PURCHASED IRRIGATION WATER | 13.74 | 14.56 | 15.00 |
| DRYING | 26.03 | 33.54 | 35.45 |
| MISCELLANEOUS | .80 | .88 | .84 |
| TOTAL, VARIABLE EXPENSES | 228.10 | 252.18 | 256.74 |
| GENERAL FARM OVERHEAD | 27.30 | 24.73 | 25.71 |
| TAXES AND INSURANCE | 9.04 | 8.50 | 9.44 |
| INTEREST | 47.46 | 59.39 | 61.76 |
| TOTAL, FIXED EXPENSES | 83.80 | 92.62 | 96.91 |
| TOTAL, CASH EXPENSES | 311.90 | 344.80 | 353.65 |
| RECEIPTS LESS CASH EXPENSES | 119.74 | 121.27 | -17.99 |
| CAPITAL REPLACEMENT | 45.47 | 52.09 | 56.54 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 74.27 | 69.18 | -74.53 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 228.10 | 252.18 | 256.74 |
| GENERAL FARM OVERHEAD | 27.30 | 24.73 | 25.71 |
| TAXES AND INSURANCE | 9.04 | 8.50 | 9.44 |
| CAPITAL REPLACEMENT | 45.47 | 52.09 | 56.54 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 9.53 | 12.32 | 10.13 |
| OTHER NONLAND CAPITAL | 15.83 | 17.74 | 19.24 |
| LAND | 50.52 | 39.70 | 53.47 |
| LABOR ^{1/} | 33.06 | 37.39 | 40.09 |
| RESIDUAL TO MANAGEMENT AND RISK | 12.79 | 21.42 | -135.70 |
| NET RETURNS TO OWNED INPUTS | 121.73 | 128.57 | -12.77 |
| PRICE (DOLLARS/CWT.) | 11.24 | 10.64 | 7.62 |
| YIELD (CWT./PLANTED ACRE) | 38.40 | 43.82 | 44.07 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 39--U.S. SOYBEAN PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 199.71 | 179.63 | 163.61 |
| TOTAL | 199.71 | 179.63 | 163.61 |
| CASH EXPENSES: | | | |
| SEED | 7.87 | 10.45 | 8.15 |
| FERTILIZER | 8.14 | 8.22 | 6.69 |
| LIME | 1.22 | 1.35 | 1.42 |
| CHEMICALS | 13.64 | 14.77 | 15.75 |
| CUSTOM OPERATIONS | 2.85 | 3.05 | 3.30 |
| FUEL AND LUBRICATION | 12.23 | 14.41 | 14.02 |
| REPAIRS | 7.37 | 8.37 | 9.19 |
| TOTAL, VARIABLE EXPENSES | 53.32 | 60.62 | 58.52 |
| GENERAL FARM OVERHEAD | 10.30 | 9.60 | 10.07 |
| TAXES AND INSURANCE | 10.43 | 10.24 | 11.64 |
| INTEREST | 22.75 | 25.42 | 26.68 |
| TOTAL, FIXED EXPENSES | 43.48 | 45.26 | 48.39 |
| TOTAL, CASH EXPENSES | 96.80 | 105.88 | 106.91 |
| RECEIPTS LESS CASH EXPENSES | 102.91 | 73.75 | 56.70 |
| CAPITAL REPLACEMENT | 19.37 | 22.04 | 24.11 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 83.54 | 51.71 | 32.59 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 53.32 | 60.62 | 58.52 |
| GENERAL FARM OVERHEAD | 10.30 | 9.60 | 10.07 |
| TAXES AND INSURANCE | 10.43 | 10.24 | 11.64 |
| CAPITAL REPLACEMENT | 19.37 | 22.04 | 24.11 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 3.00 | 4.08 | 3.19 |
| OTHER NONLAND CAPITAL | 7.18 | 8.12 | 8.88 |
| LAND | 64.71 | 60.41 | 64.44 |
| LABOR ^{1/} | 14.58 | 16.19 | 16.75 |
| RESIDUAL TO MANAGEMENT AND RISK | 16.82 | -11.67 | -33.99 |
| NET RETURNS TO OWNED INPUTS | 106.29 | 77.13 | 59.27 |
| PRICE (DOLLARS/BU.) | 7.72 | 5.95 | 5.13 |
| YIELD (BU./PLANTED ACRE) | 25.86 | 30.18 | 31.91 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 40--SOYBEAN PRODUCTION COSTS, DELTA, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 129.08 | 129.83 | 133.85 |
| TOTAL | 129.08 | 129.83 | 133.85 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 7.87 | 12.36 | 7.84 |
| FERTILIZER | 7.38 | 9.33 | 5.65 |
| LIME | .79 | .80 | .91 |
| CHEMICALS | 16.74 | 18.20 | 19.32 |
| CUSTOM OPERATIONS | 2.16 | 2.28 | 2.45 |
| FUEL AND LUBRICATION | 15.61 | 18.84 | 18.09 |
| REPAIRS | 9.05 | 10.21 | 11.33 |
| TOTAL, VARIABLE EXPENSES | 59.60 | 72.02 | 65.59 |
| GENERAL FARM OVERHEAD | 6.21 | 7.60 | 7.98 |
| TAXES AND INSURANCE | 5.00 | 5.22 | 5.41 |
| INTEREST | 15.87 | 18.12 | 19.01 |
| TOTAL, FIXED EXPENSES | 27.08 | 30.94 | 32.40 |
| TOTAL, CASH EXPENSES | 86.68 | 102.96 | 97.99 |
| RECEIPTS LESS CASH EXPENSES | 42.40 | 26.87 | 35.86 |
| CAPITAL REPLACEMENT | 21.22 | 24.26 | 26.74 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 21.18 | 2.61 | 9.12 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 59.60 | 72.02 | 65.59 |
| GENERAL FARM OVERHEAD | 6.21 | 7.60 | 7.98 |
| TAXES AND INSURANCE | 5.00 | 5.22 | 5.41 |
| CAPITAL REPLACEMENT | 21.22 | 24.26 | 26.74 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 3.60 | 5.11 | 3.88 |
| OTHER NONLAND CAPITAL | 7.45 | 8.47 | 9.36 |
| LAND | 40.44 | 41.94 | 42.49 |
| LABOR <u>1/</u> | 16.04 | 17.49 | 19.43 |
| RESIDUAL TO MANAGEMENT AND RISK | -30.48 | -52.28 | -47.03 |
| NET RETURNS TO OWNED INPUTS | 37.05 | 20.73 | 28.13 |
| PRICE (DOLLARS/BU.) | 8.16 | 6.23 | 5.43 |
| YIELD (BU./PLANTED ACRE) | 15.82 | 20.84 | 24.64 |

1/ THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 41--SOYBEAN PRODUCTION COSTS, LAKE STATES AND CORN BELT, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 252.99 | 208.51 | 183.77 |
| TOTAL | 252.99 | 208.51 | 183.77 |
| CASH EXPENSES: | | | |
| SEED | 8.09 | 10.07 | 8.50 |
| FERTILIZER | 5.76 | 5.68 | 5.36 |
| LIME | .82 | .91 | .91 |
| CHEMICALS | 12.24 | 13.31 | 14.27 |
| CUSTOM OPERATIONS | 2.49 | 2.66 | 2.84 |
| FUEL AND LUBRICATION | 10.80 | 12.61 | 12.46 |
| REPAIRS | 7.04 | 7.92 | 8.69 |
| TOTAL, VARIABLE EXPENSES | 47.24 | 53.16 | 53.03 |
| GENERAL FARM OVERHEAD | 12.72 | 11.10 | 11.61 |
| TAXES AND INSURANCE | 14.09 | 13.38 | 15.66 |
| INTEREST | 27.31 | 29.81 | 31.17 |
| TOTAL, FIXED EXPENSES | 54.12 | 54.29 | 58.44 |
| TOTAL, CASH EXPENSES | 101.36 | 107.45 | 111.47 |
| RECEIPTS LESS CASH EXPENSES | 151.63 | 101.06 | 72.30 |
| CAPITAL REPLACEMENT | 19.53 | 22.09 | 24.14 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 132.10 | 78.97 | 48.16 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 47.24 | 53.16 | 53.03 |
| GENERAL FARM OVERHEAD | 12.72 | 11.10 | 11.61 |
| TAXES AND INSURANCE | 14.09 | 13.38 | 15.66 |
| CAPITAL REPLACEMENT | 19.53 | 22.09 | 24.14 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.54 | 3.44 | 2.77 |
| OTHER NONLAND CAPITAL | 7.40 | 8.29 | 9.05 |
| LAND | 85.94 | 77.49 | 84.02 |
| LABOR ^{1/} | 14.09 | 15.67 | 15.89 |
| RESIDUAL TO MANAGEMENT AND RISK | 49.44 | 3.89 | -32.40 |
| NET RETURNS TO OWNED INPUTS | 159.41 | 108.78 | 79.33 |
| PRICE (DOLLARS/BU.) | 7.62 | 5.91 | 5.05 |
| YIELD (BU./PLANTED ACRE) | 33.19 | 35.28 | 36.38 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 42--SOYBEAN PRODUCTION COSTS, NORTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 176.16 | 186.94 | 149.70 |
| TOTAL | 176.16 | 186.94 | 149.70 |
| CASH EXPENSES: | | | |
| SEED | 7.26 | 9.34 | 7.66 |
| FERTILIZER | 2.92 | 1.90 | 2.22 |
| LIME | .62 | .64 | .97 |
| CHEMICALS | 6.53 | 7.15 | 7.75 |
| CUSTOM OPERATIONS | 1.54 | 1.66 | 1.79 |
| FUEL AND LUBRICATION | 11.13 | 13.68 | 13.53 |
| REPAIRS | 6.31 | 7.44 | 8.15 |
| TOTAL, VARIABLE EXPENSES | 36.31 | 41.81 | 42.07 |
| GENERAL FARM OVERHEAD | 9.69 | 11.66 | 12.25 |
| TAXES AND INSURANCE | 9.65 | 10.83 | 10.64 |
| INTEREST | 18.96 | 30.79 | 32.36 |
| TOTAL, FIXED EXPENSES | 38.30 | 53.28 | 55.25 |
| TOTAL, CASH EXPENSES | 74.61 | 95.09 | 97.32 |
| RECEIPTS LESS CASH EXPENSES | 101.55 | 91.85 | 52.38 |
| CAPITAL REPLACEMENT | 16.74 | 19.33 | 21.23 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 84.81 | 72.52 | 31.15 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 36.31 | 41.81 | 42.07 |
| GENERAL FARM OVERHEAD | 9.69 | 11.66 | 12.25 |
| TAXES AND INSURANCE | 9.65 | 10.83 | 10.64 |
| CAPITAL REPLACEMENT | 16.74 | 19.33 | 21.23 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.91 | 2.59 | 2.15 |
| OTHER NONLAND CAPITAL | 6.40 | 7.42 | 8.10 |
| LAND | 38.64 | 43.95 | 44.77 |
| LABOR ^{1/} | 13.20 | 15.01 | 16.31 |
| RESIDUAL TO MANAGEMENT AND RISK | 43.62 | 34.34 | -7.82 |
| NET RETURNS TO OWNED INPUTS | 103.77 | 103.31 | 63.51 |
| PRICE (DOLLARS/BU.) | 7.55 | 5.72 | 4.85 |
| YIELD (BU./PLANTED ACRE) | 23.34 | 32.70 | 30.86 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 43--SOYBEAN PRODUCTION COSTS, SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 121.52 | 138.82 | 136.17 |
| TOTAL | 121.52 | 138.82 | 136.17 |
| CASH EXPENSES: | | | |
| SEED | 7.44 | 10.23 | 7.57 |
| FERTILIZER | 17.23 | 16.58 | 12.99 |
| LIME | 2.91 | 3.34 | 3.46 |
| CHEMICALS | 16.95 | 18.49 | 19.94 |
| CUSTOM OPERATIONS | 4.92 | 5.26 | 5.84 |
| FUEL AND LUBRICATION | 13.48 | 15.89 | 15.23 |
| REPAIRS | 7.12 | 8.36 | 9.23 |
| TOTAL, VARIABLE EXPENSES | 70.05 | 78.15 | 74.26 |
| GENERAL FARM OVERHEAD | 7.43 | 6.41 | 6.63 |
| TAXES AND INSURANCE | 5.34 | 5.53 | 5.76 |
| INTEREST | 17.37 | 17.57 | 18.17 |
| TOTAL, FIXED EXPENSES | 30.14 | 29.51 | 30.56 |
| TOTAL, CASH EXPENSES | 100.19 | 107.66 | 104.82 |
| RECEIPTS LESS CASH EXPENSES | 21.33 | 31.16 | 31.35 |
| CAPITAL REPLACEMENT | 18.04 | 20.87 | 22.90 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 3.29 | 10.29 | 8.45 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 70.05 | 78.15 | 74.26 |
| GENERAL FARM OVERHEAD | 7.43 | 6.41 | 6.63 |
| TAXES AND INSURANCE | 5.34 | 5.53 | 5.76 |
| CAPITAL REPLACEMENT | 18.04 | 20.87 | 22.90 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.09 | 5.48 | 4.21 |
| OTHER NONLAND CAPITAL | 6.57 | 7.56 | 8.29 |
| LAND | 35.20 | 33.72 | 34.27 |
| LABOR ^{1/} | 15.07 | 16.94 | 17.15 |
| RESIDUAL TO MANAGEMENT AND RISK | -40.27 | -35.84 | -37.30 |
| NET RETURNS TO OWNED INPUTS | 20.66 | 27.86 | 26.62 |
| PRICE (DOLLARS/BU.) | 8.02 | 6.02 | 5.32 |
| YIELD (BU./PLANTED ACRE) | 15.14 | 23.05 | 25.62 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 44--U.S. SUNFLOWER PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| <hr/> | | | |
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 100.01 | 119.46 | 99.23 |
| TOTAL | 100.01 | 119.46 | 99.23 |
| <hr/> | | | |
| CASH EXPENSES: | | | |
| SEED | 5.82 | 6.38 | 6.38 |
| FERTILIZER | 11.44 | 11.02 | 10.31 |
| CHEMICALS | 6.88 | 7.31 | 7.59 |
| CUSTOM OPERATIONS | 2.20 | 2.50 | 2.87 |
| FUEL AND LUBRICATION | 9.24 | 10.90 | 10.51 |
| REPAIRS | 6.57 | 7.37 | 7.98 |
| DRYING | 1.61 | 2.07 | 1.99 |
| TOTAL, VARIABLE EXPENSES | 43.76 | 47.55 | 47.63 |
| GENERAL FARM OVERHEAD | 5.90 | 7.42 | 7.93 |
| TAXES AND INSURANCE | 6.04 | 6.24 | 6.41 |
| INTEREST | 11.54 | 19.60 | 20.94 |
| TOTAL, FIXED EXPENSES | 23.48 | 33.26 | 35.28 |
| TOTAL, CASH EXPENSES | 67.24 | 80.81 | 82.91 |
| RECEIPTS LESS CASH EXPENSES | 32.77 | 38.65 | 16.32 |
| CAPITAL REPLACEMENT | 17.90 | 19.85 | 21.25 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 14.87 | 18.80 | -4.93 |
| <hr/> | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 43.76 | 47.55 | 47.63 |
| GENERAL FARM OVERHEAD | 5.90 | 7.42 | 7.93 |
| TAXES AND INSURANCE | 6.04 | 6.24 | 6.41 |
| CAPITAL REPLACEMENT | 17.90 | 19.85 | 21.25 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 2.01 | 2.59 | 2.08 |
| OTHER NONLAND CAPITAL | 6.80 | 7.52 | 8.04 |
| LAND | 26.97 | 27.30 | 27.09 |
| LABOR ^{1/} | 7.11 | 8.15 | 7.82 |
| RESIDUAL TO MANAGEMENT AND RISK | -16.48 | -7.16 | -29.02 |
| NET RETURNS TO OWNED INPUTS | 26.41 | 38.40 | 16.01 |
| PRICE (DOLLARS/CWT.) | 10.41 | 10.28 | 8.76 |
| YIELD (CWT./PLANTED ACRE) | 9.61 | 11.62 | 11.32 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 45--U.S. PEANUT PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|----------|----------|----------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 366.31 | 710.18 | 662.10 |
| SECONDARY CROP | 10.14 | 17.74 | 16.54 |
| TOTAL | 376.45 | 727.92 | 678.64 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 66.69 | 78.01 | 61.48 |
| FERTILIZER | 22.64 | 24.99 | 23.46 |
| LIME AND GYPSUM | 20.28 | 24.16 | 23.01 |
| CHEMICALS | 69.44 | 79.38 | 84.52 |
| CUSTOM OPERATIONS | 4.68 | 5.79 | 6.20 |
| FUEL AND LUBRICATION | 40.74 | 48.66 | 47.94 |
| REPAIRS | 23.10 | 27.44 | 30.50 |
| DRYING | 22.02 | 39.67 | 40.75 |
| TOTAL, VARIABLE EXPENSES | 269.59 | 328.10 | 317.86 |
| GENERAL FARM OVERHEAD | 20.49 | 30.80 | 32.57 |
| TAXES AND INSURANCE | 8.49 | 9.66 | 10.29 |
| INTEREST | 44.74 | 107.42 | 112.25 |
| TOTAL, FIXED EXPENSES | 73.72 | 147.88 | 155.11 |
| TOTAL, CASH EXPENSES | 343.31 | 475.98 | 472.97 |
| RECEIPTS LESS CASH EXPENSES | 33.14 | 251.94 | 205.67 |
| CAPITAL REPLACEMENT | 39.02 | 45.75 | 50.94 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -5.88 | 206.19 | 154.73 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 269.59 | 328.10 | 317.86 |
| GENERAL FARM OVERHEAD | 20.49 | 30.80 | 32.57 |
| TAXES AND INSURANCE | 8.49 | 9.66 | 10.29 |
| CAPITAL REPLACEMENT | 39.02 | 45.75 | 50.94 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 12.14 | 16.95 | 12.99 |
| OTHER NONLAND CAPITAL | 14.17 | 16.76 | 18.61 |
| LAND | 33.59 | 36.17 | 38.32 |
| LABOR ^{1/} | 36.83 | 42.56 | 43.47 |
| RESIDUAL TO MANAGEMENT AND RISK | -57.87 | 201.17 | 153.59 |
| NET RETURNS TO OWNED INPUTS | 38.86 | 313.61 | 266.98 |
| PRICE (DOLLARS/LB.) | .24 | .27 | .25 |
| YIELD (LBS./PLANTED ACRE) | 1,526.43 | 2,647.61 | 2,666.42 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 46--PEANUT PRODUCTION COSTS, SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|----------|----------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 383.26 | 757.29 | 754.40 |
| SECONDARY CROP | 10.01 | 18.54 | 17.47 |
| TOTAL | 393.27 | 775.83 | 771.87 |
| CASH EXPENSES: | | | |
| SEED | 76.21 | 87.10 | 68.40 |
| FERTILIZER | 28.78 | 43.56 | 29.67 |
| LIME AND GYPSUM | 25.69 | 16.77 | 27.25 |
| CHEMICALS | 87.08 | 94.82 | 101.96 |
| CUSTOM OPERATIONS | 5.50 | 6.32 | 6.81 |
| FUEL AND LUBRICATION | 39.03 | 46.68 | 43.75 |
| REPAIRS | 23.04 | 27.07 | 30.45 |
| DRYING | 22.62 | 38.48 | 44.09 |
| TOTAL, VARIABLE EXPENSES | 307.95 | 360.80 | 352.38 |
| GENERAL FARM OVERHEAD | 18.17 | 26.50 | 27.81 |
| TAXES AND INSURANCE | 8.42 | 9.36 | 10.03 |
| INTEREST | 43.23 | 116.08 | 121.79 |
| TOTAL, FIXED EXPENSES | 69.82 | 151.94 | 159.63 |
| TOTAL, CASH EXPENSES | 377.77 | 512.74 | 512.01 |
| RECEIPTS LESS CASH EXPENSES | 15.50 | 263.09 | 259.86 |
| CAPITAL REPLACEMENT | 36.75 | 42.92 | 48.07 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -21.25 | 220.17 | 211.79 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 307.95 | 360.80 | 352.38 |
| GENERAL FARM OVERHEAD | 18.17 | 26.50 | 27.81 |
| TAXES AND INSURANCE | 8.42 | 9.36 | 10.03 |
| CAPITAL REPLACEMENT | 36.75 | 42.92 | 48.07 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 14.87 | 20.23 | 15.45 |
| OTHER NONLAND CAPITAL | 13.59 | 15.91 | 17.89 |
| LAND | 33.09 | 34.28 | 35.16 |
| LABOR ^{1/} | 35.52 | 41.64 | 40.96 |
| RESIDUAL TO MANAGEMENT AND RISK | -75.09 | 224.19 | 224.12 |
| NET RETURNS TO OWNED INPUTS | 21.98 | 336.25 | 333.58 |
| PRICE (DOLLARS/LB.) | .22 | .27 | .24 |
| YIELD (LBS./PLANTED ACRE) | 1,759.83 | 2,846.25 | 3,100.68 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 47--PEANUT PRODUCTION COSTS, SOUTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|----------|----------|----------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 336.09 | 444.76 | 387.92 |
| SECONDARY CROP | 13.31 | 23.28 | 20.80 |
| TOTAL | 349.40 | 468.04 | 408.72 |
| CASH EXPENSES: | | | |
| SEED | 49.25 | 66.09 | 44.85 |
| FERTILIZER | 16.39 | 17.21 | 16.24 |
| LIME AND GYPSUM | .11 | .08 | .08 |
| CHEMICALS | 29.89 | 36.15 | 39.81 |
| CUSTOM OPERATIONS | 4.02 | 5.94 | 6.37 |
| FUEL AND LUBRICATION | 52.68 | 64.34 | 68.42 |
| REPAIRS | 25.59 | 30.69 | 33.89 |
| DRYING | 12.11 | 16.44 | 15.68 |
| TOTAL, VARIABLE EXPENSES | 190.04 | 236.94 | 225.33 |
| GENERAL FARM OVERHEAD | 21.31 | 28.55 | 30.56 |
| TAXES AND INSURANCE | 7.86 | 9.29 | 9.81 |
| INTEREST | 37.03 | 68.57 | 73.40 |
| TOTAL, FIXED EXPENSES | 66.20 | 106.41 | 113.77 |
| TOTAL, CASH EXPENSES | 256.24 | 343.35 | 339.10 |
| RECEIPTS LESS CASH EXPENSES | 93.16 | 124.69 | 69.61 |
| CAPITAL REPLACEMENT | 46.17 | 55.43 | 61.53 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 46.99 | 69.26 | 8.08 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 190.04 | 236.94 | 225.33 |
| GENERAL FARM OVERHEAD | 21.31 | 28.55 | 30.56 |
| TAXES AND INSURANCE | 7.86 | 9.29 | 9.81 |
| CAPITAL REPLACEMENT | 46.17 | 55.43 | 61.53 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 7.36 | 10.52 | 8.07 |
| OTHER NONLAND CAPITAL | 15.65 | 18.77 | 20.69 |
| LAND | 24.93 | 29.22 | 33.36 |
| LABOR ^{1/} | 41.80 | 49.09 | 52.63 |
| RESIDUAL TO MANAGEMENT AND RISK | -5.72 | 30.23 | -33.26 |
| NET RETURNS TO OWNED INPUTS | 84.02 | 137.83 | 81.49 |
| PRICE (DOLLARS/LB.) | .32 | .26 | .25 |
| YIELD (LBS./PLANTED ACRE) | 1,049.47 | 1,718.39 | 1,568.67 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 48--PEANUT PRODUCTION COSTS, VIRGINIA AND NORTH CAROLINA, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|----------|----------|----------|
| <u>DOLLARS PER PLANTED ACRE</u> | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 362.54 | 887.49 | 744.18 |
| SECONDARY CROP | 5.71 | 8.59 | 8.39 |
| TOTAL | 368.25 | 896.08 | 752.57 |
| CASH EXPENSES: | | | |
| SEED | 65.29 | 64.64 | 62.64 |
| FERTILIZER | 14.18 | 15.68 | 14.72 |
| LIME AND GYPSUM | 35.00 | 37.89 | 39.95 |
| CHEMICALS | 77.79 | 84.53 | 91.01 |
| CUSTOM OPERATIONS | 3.26 | 3.97 | 4.23 |
| FUEL AND LUBRICATION | 27.69 | 35.71 | 34.00 |
| REPAIRS | 19.54 | 24.66 | 26.33 |
| DRYING | 35.27 | 71.38 | 62.98 |
| TOTAL, VARIABLE EXPENSES | 278.02 | 338.46 | 335.86 |
| GENERAL FARM OVERHEAD | 10.58 | 46.68 | 48.92 |
| TAXES AND INSURANCE | 9.65 | 11.01 | 11.65 |
| INTEREST | 24.70 | 127.97 | 134.11 |
| TOTAL, FIXED EXPENSES | 44.93 | 185.66 | 194.68 |
| TOTAL, CASH EXPENSES | 322.95 | 524.12 | 530.54 |
| RECEIPTS LESS CASH EXPENSES | 45.30 | 371.96 | 222.03 |
| CAPITAL REPLACEMENT | 34.84 | 42.69 | 45.78 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 10.46 | 329.27 | 176.25 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 278.02 | 338.46 | 335.86 |
| GENERAL FARM OVERHEAD | 10.58 | 46.68 | 48.92 |
| TAXES AND INSURANCE | 9.65 | 11.01 | 11.65 |
| CAPITAL REPLACEMENT | 34.84 | 42.69 | 45.78 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 11.39 | 14.69 | 12.14 |
| OTHER NONLAND CAPITAL | 13.65 | 16.91 | 18.03 |
| LAND | 48.17 | 50.34 | 53.77 |
| LABOR ^{1/} | 33.16 | 37.47 | 39.10 |
| RESIDUAL TO MANAGEMENT AND RISK | -71.21 | 337.83 | 187.32 |
| NET RETURNS TO OWNED INPUTS | 35.16 | 457.24 | 310.36 |
| PRICE (DOLLARS/LB.) | .23 | .28 | .27 |
| YIELD (LBS./PLANTED ACRE) | 1,566.58 | 3,165.37 | 2,808.03 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 49--U.S. FLAX PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 84.65 | 79.63 | 72.22 |
| TOTAL | 84.65 | 79.63 | 72.22 |
| ===== | | | |
| CASH EXPENSES: | | | |
| SEED | 6.65 | 7.63 | 6.77 |
| FERTILIZER | 2.35 | 3.04 | 2.82 |
| CHEMICALS | 2.05 | 2.39 | 2.46 |
| CUSTOM OPERATIONS | 1.05 | 1.14 | 1.27 |
| FUEL AND LUBRICATION | 5.01 | 8.25 | 8.03 |
| REPAIRS | 5.17 | 6.57 | 7.16 |
| TOTAL, VARIABLE EXPENSES | 22.28 | 29.02 | 28.51 |
| GENERAL FARM OVERHEAD | 4.49 | 4.83 | 5.12 |
| TAXES AND INSURANCE | 6.04 | 6.03 | 6.61 |
| INTEREST | 11.66 | 12.76 | 13.51 |
| TOTAL, FIXED EXPENSES | 22.19 | 23.62 | 25.24 |
| TOTAL, CASH EXPENSES | 44.47 | 52.64 | 53.75 |
| RECEIPTS LESS CASH EXPENSES | 40.18 | 26.99 | 18.47 |
| CAPITAL REPLACEMENT | 17.97 | 18.11 | 19.64 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 22.21 | 8.88 | -1.17 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 22.28 | 29.02 | 28.51 |
| GENERAL FARM OVERHEAD | 4.49 | 4.83 | 5.12 |
| TAXES AND INSURANCE | 6.04 | 6.03 | 6.61 |
| CAPITAL REPLACEMENT | 17.97 | 18.11 | 19.64 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 1.03 | 1.42 | 1.11 |
| OTHER NONLAND CAPITAL | 6.60 | 6.62 | 7.18 |
| LAND | 25.83 | 26.38 | 28.26 |
| LABOR ^{1/} | 6.81 | 7.18 | 7.28 |
| RESIDUAL TO MANAGEMENT AND RISK | -6.40 | -19.96 | -31.49 |
| NET RETURNS TO OWNED INPUTS | 33.87 | 21.64 | 12.34 |
| PRICE (DOLLARS/BU.) | 7.04 | 6.59 | 5.34 |
| YIELD (BU./PLANTED ACRE) | 12.03 | 12.09 | 13.53 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 50--U.S. COTTON PRODUCTION COSTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|---------|
| <hr/> | | | |
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 274.16 | 286.69 | 291.27 |
| SECONDARY CROP | 39.62 | 38.86 | 31.67 |
| TOTAL | 313.78 | 325.55 | 322.94 |
| <hr/> | | | |
| CASH EXPENSES: | | | |
| SEED | 6.27 | 7.13 | 7.01 |
| FERTILIZER | 17.79 | 21.19 | 18.70 |
| LIME | .48 | .57 | .63 |
| CHEMICALS | 37.31 | 42.63 | 47.07 |
| CUSTOM OPERATIONS | 9.81 | 10.98 | 11.64 |
| FUEL AND LUBRICATION | 35.10 | 41.20 | 40.56 |
| REPAIRS | 28.42 | 32.86 | 35.09 |
| PURCHASED IRRIGATION WATER | 3.94 | 4.40 | 5.20 |
| GINNING | 33.48 | 46.87 | 46.14 |
| TOTAL, VARIABLE EXPENSES | 172.60 | 207.83 | 212.04 |
| GENERAL FARM OVERHEAD | 9.61 | 20.88 | 22.37 |
| TAXES AND INSURANCE | 11.50 | 12.66 | 12.21 |
| INTEREST | 19.86 | 50.60 | 54.22 |
| TOTAL, FIXED EXPENSES | 40.97 | 84.14 | 88.80 |
| TOTAL, CASH EXPENSES | 213.57 | 291.97 | 300.84 |
| RECEIPTS LESS CASH EXPENSES | 100.21 | 33.58 | 22.10 |
| CAPITAL REPLACEMENT | 46.23 | 53.33 | 55.49 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 53.98 | -19.75 | -33.39 |
| <hr/> | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 172.60 | 207.83 | 212.04 |
| GENERAL FARM OVERHEAD | 9.61 | 20.88 | 22.37 |
| TAXES AND INSURANCE | 11.50 | 12.66 | 12.21 |
| CAPITAL REPLACEMENT | 46.23 | 53.33 | 55.49 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 6.80 | 9.38 | 7.78 |
| OTHER NONLAND CAPITAL | 16.75 | 19.16 | 20.01 |
| LAND | 48.37 | 54.44 | 61.11 |
| LABOR ^{1/} | 39.07 | 44.63 | 45.96 |
| RESIDUAL TO MANAGEMENT AND RISK | -37.15 | -96.76 | -114.03 |
| NET RETURNS TO OWNED INPUTS | 73.84 | 30.85 | 20.83 |
| PRICE (DOLLARS/LB.) | .75 | .55 | .58 |
| YIELD (LBS./PLANTED ACRE) | 367.19 | 523.88 | 501.51 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 51--COTTON PRODUCTION COSTS, DELTA, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|---------|--------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | 301.64 | 295.46 | 417.99 |
| PRIMARY CROP | 41.56 | 34.50 | 36.59 |
| SECONDARY CROP | 343.20 | 329.96 | 454.58 |
| TOTAL | | | |
| CASH EXPENSES: | 5.74 | 6.58 | 6.60 |
| SEED | 28.72 | 31.12 | 30.71 |
| FERTILIZER | 1.28 | 1.36 | 1.43 |
| LIME | 63.56 | 70.95 | 77.67 |
| CHEMICALS | 10.62 | 11.10 | 12.06 |
| CUSTOM OPERATIONS | 24.77 | 30.11 | 29.53 |
| FUEL AND LUBRICATION | 40.96 | 44.17 | 49.91 |
| REPAIRS | 29.93 | 37.05 | 52.77 |
| GINNING | 205.58 | 232.44 | 260.68 |
| TOTAL, VARIABLE EXPENSES | | | |
| GENERAL FARM OVERHEAD | 8.35 | 18.77 | 19.19 |
| TAXES AND INSURANCE | 11.42 | 11.95 | 13.05 |
| INTEREST | 21.31 | 44.71 | 45.72 |
| TOTAL, FIXED EXPENSES | 41.08 | 75.43 | 77.96 |
| TOTAL, CASH EXPENSES | 246.66 | 307.87 | 338.64 |
| RECEIPTS LESS CASH EXPENSES | 96.54 | 22.09 | 115.94 |
| CAPITAL REPLACEMENT | 57.11 | 62.34 | 70.42 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 39.43 | -40.25 | 45.52 |
| ECONOMIC COSTS: | 205.58 | 232.44 | 260.68 |
| VARIABLE EXPENSES | 8.35 | 18.77 | 19.19 |
| GENERAL FARM OVERHEAD | 11.42 | 11.95 | 13.05 |
| TAXES AND INSURANCE | 57.11 | 62.34 | 70.42 |
| CAPITAL REPLACEMENT | | | |
| ALLOCATED RETURNS TO OWNED INPUTS: | 6.71 | 9.05 | 7.61 |
| OPERATING CAPITAL | 21.72 | 23.45 | 26.40 |
| OTHER NONLAND CAPITAL | 45.52 | 48.98 | 52.66 |
| LAND | 33.38 | 36.01 | 38.79 |
| LABOR ^{1/} | -46.59 | -113.03 | -34.22 |
| RESIDUAL TO MANAGEMENT AND RISK | 60.74 | 4.46 | 91.24 |
| NET RETURNS TO OWNED INPUTS | | | |
| PRICE (DOLLARS/LB.) | .77 | .56 | .59 |
| YIELD (LBS./PLANTED ACRE) | 393.76 | 524.32 | 705.58 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 52--COTTON PRODUCTION COSTS, SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| DOLLARS PER PLANTED ACRE | | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 271.96 | 301.61 | 400.47 |
| SECONDARY CROP | 31.05 | 34.95 | 33.94 |
| TOTAL | 303.01 | 336.56 | 434.41 |
| CASH EXPENSES: | | | |
| SEED | 5.50 | 6.17 | 5.96 |
| FERTILIZER | 40.54 | 29.30 | 46.93 |
| LIME | 4.62 | 17.68 | 5.59 |
| CHEMICALS | 93.36 | 101.47 | 108.51 |
| CUSTOM OPERATIONS | 13.82 | 14.91 | 15.85 |
| FUEL AND LUBRICATION | 24.56 | 30.19 | 29.71 |
| REPAIRS | 41.56 | 47.59 | 53.19 |
| GINNING | 24.50 | 39.56 | 56.14 |
| TOTAL, VARIABLE EXPENSES | 248.46 | 286.87 | 321.88 |
| GENERAL FARM OVERHEAD | 6.17 | 12.44 | 12.93 |
| TAXES AND INSURANCE | 12.38 | 13.77 | 15.05 |
| INTEREST | 14.69 | 54.48 | 56.63 |
| TOTAL, FIXED EXPENSES | 33.24 | 80.69 | 84.61 |
| TOTAL, CASH EXPENSES | 281.70 | 367.56 | 406.49 |
| RECEIPTS LESS CASH EXPENSES | 21.31 | -31.00 | 27.92 |
| CAPITAL REPLACEMENT | 61.99 | 71.83 | 80.60 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -40.68 | -102.83 | -52.68 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 248.46 | 286.87 | 321.88 |
| GENERAL FARM OVERHEAD | 6.17 | 12.44 | 12.93 |
| TAXES AND INSURANCE | 12.38 | 13.77 | 15.05 |
| CAPITAL REPLACEMENT | 61.99 | 71.83 | 80.60 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 8.68 | 11.40 | 9.75 |
| OTHER NONLAND CAPITAL | 24.46 | 28.01 | 31.32 |
| LAND | 37.91 | 41.20 | 41.91 |
| LABOR ^{1/} | 27.44 | 30.85 | 32.16 |
| RESIDUAL TO MANAGEMENT AND RISK | -124.48 | -159.81 | -111.19 |
| NET RETURNS TO OWNED INPUTS | -25.99 | -48.35 | 3.95 |
| PRICE (DOLLARS/LB.) | .79 | .57 | .58 |
| YIELD (LBS./PLANTED ACRE) | 344.12 | 528.69 | 694.61 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 53--COTTON PRODUCTION COSTS, SOUTHERN PLAINS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------------------------|--------|---------|
| | DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 140.02 | 174.06 | 118.45 |
| SECONDARY CROP | 20.47 | 29.09 | 15.84 |
| TOTAL | 160.49 | 203.15 | 134.29 |
| CASH EXPENSES: | | | |
| SEED | 6.41 | 7.45 | 7.21 |
| FERTILIZER | 8.82 | 11.06 | 5.54 |
| CHEMICALS | 11.61 | 12.65 | 12.38 |
| CUSTOM OPERATIONS | 4.55 | 5.25 | 4.61 |
| FUEL AND LUBRICATION | 26.45 | 30.62 | 26.81 |
| REPAIRS | 16.76 | 19.95 | 18.29 |
| PURCHASED IRRIGATION WATER | .10 | .10 | .11 |
| GINNING | 21.51 | 35.37 | 24.03 |
| TOTAL, VARIABLE EXPENSES | 96.21 | 122.45 | 98.98 |
| GENERAL FARM OVERHEAD | 8.95 | 13.19 | 13.76 |
| TAXES AND INSURANCE | 6.97 | 7.62 | 6.95 |
| INTEREST | 15.55 | 31.67 | 33.05 |
| TOTAL, FIXED EXPENSES | 31.47 | 52.48 | 53.76 |
| TOTAL, CASH EXPENSES | 127.68 | 174.93 | 152.74 |
| RECEIPTS LESS CASH EXPENSES | 32.81 | 28.22 | -18.45 |
| CAPITAL REPLACEMENT | 32.31 | 38.01 | 33.83 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | .50 | -9.79 | -52.28 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 96.21 | 122.45 | 98.98 |
| GENERAL FARM OVERHEAD | 8.95 | 13.19 | 13.76 |
| TAXES AND INSURANCE | 6.97 | 7.62 | 6.95 |
| CAPITAL REPLACEMENT | 32.31 | 38.01 | 33.83 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 4.55 | 6.31 | 4.71 |
| OTHER NONLAND CAPITAL | 11.34 | 13.22 | 11.83 |
| LAND | 33.07 | 34.07 | 38.18 |
| LABOR ^{1/} | 31.28 | 37.28 | 35.56 |
| RESIDUAL TO MANAGEMENT AND RISK | -64.19 | -69.00 | -109.51 |
| NET RETURNS TO OWNED INPUTS | 16.05 | 21.88 | -19.23 |
| PRICE (DOLLARS/LB.) | .70 | .48 | .52 |
| YIELD (LBS./PLANTED ACRE) | 201.02 | 362.39 | 230.05 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 54--COTTON PRODUCTION COSTS, SOUTHWEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------------------------------|---------|---------|
| | <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | | |
| PRIMARY CROP | 784.60 | 697.48 | 663.44 |
| SECONDARY CROP | 117.82 | 83.63 | 77.21 |
| TOTAL | 902.42 | 781.11 | 740.65 |
| CASH EXPENSES: | | | |
| SEED | 6.67 | 7.01 | 7.23 |
| FERTILIZER | 32.10 | 38.36 | 37.13 |
| CHEMICALS | 88.16 | 95.68 | 101.48 |
| CUSTOM OPERATIONS | 28.91 | 31.27 | 33.02 |
| FUEL AND LUBRICATION | 88.00 | 101.16 | 104.73 |
| REPAIRS | 54.53 | 60.65 | 65.42 |
| PURCHASED IRRIGATION WATER | 26.35 | 28.55 | 30.84 |
| GINNING | 90.12 | 107.19 | 107.75 |
| TOTAL, VARIABLE EXPENSES | 414.84 | 469.87 | 487.60 |
| GENERAL FARM OVERHEAD | 15.16 | 56.13 | 58.54 |
| TAXES AND INSURANCE | 29.85 | 32.47 | 27.66 |
| INTEREST | 37.12 | 129.67 | 135.26 |
| TOTAL, FIXED EXPENSES | 82.13 | 218.27 | 221.46 |
| TOTAL, CASH EXPENSES | 496.97 | 688.14 | 709.06 |
| RECEIPTS LESS CASH EXPENSES | 405.45 | 92.97 | 31.59 |
| CAPITAL REPLACEMENT | 83.01 | 92.33 | 99.48 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 322.44 | .64 | -67.89 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 414.84 | 469.87 | 487.60 |
| GENERAL FARM OVERHEAD | 15.16 | 56.13 | 58.54 |
| TAXES AND INSURANCE | 29.85 | 32.47 | 27.66 |
| CAPITAL REPLACEMENT | 83.01 | 92.33 | 99.48 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL | 15.49 | 20.85 | 17.62 |
| OTHER NONLAND CAPITAL | 29.52 | 32.53 | 34.97 |
| LAND | 118.11 | 144.37 | 155.38 |
| LABOR ^{1/} | 82.42 | 89.74 | 94.85 |
| RESIDUAL TO MANAGEMENT AND RISK | 114.02 | -157.18 | -235.45 |
| NET RETURNS TO OWNED INPUTS | 359.56 | 130.31 | 67.37 |
| PRICE (DOLLARS/LB.) | .77 | .61 | .62 |
| YIELD (LBS./PLANTED ACRE) | 1016.29 | 1136.00 | 1072.06 |

^{1/} THIS ITEM INCLUDES HIRED LABOR (A CASH EXPENSE) AND UNPAID LABOR; THEY COULD NOT BE SEPARATELY IDENTIFIED GIVEN AVAILABLE SURVEY DATA.

TABLE 55--U.S. FALL POTATO PRODUCTION COSTS, 1981-82

| ITEM | 1981 | 1982 |
|---|--------|--------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 967.71 | 928.37 |
| TOTAL | 967.71 | 928.37 |
| CASH EXPENSES: | | |
| SEED | 195.51 | 138.27 |
| FERTILIZER | 132.70 | 133.34 |
| CHEMICALS | 101.99 | 109.64 |
| CUSTOM OPERATIONS | 17.08 | 17.83 |
| FUEL AND LUBRICATION | 85.16 | 86.17 |
| REPAIRS | 59.47 | 65.25 |
| HIRED LABOR | 61.02 | 63.36 |
| PURCHASED IRRIGATION WATER | 3.05 | 3.15 |
| MISCELLANEOUS | 20.22 | 20.92 |
| TOTAL, VARIABLE EXPENSES | 676.20 | 637.93 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 9.28 | 10.12 |
| INTEREST | 104.67 | 99.27 |
| TOTAL, FIXED EXPENSES | 136.03 | 132.53 |
| TOTAL, CASH EXPENSES | 812.23 | 770.46 |
| RECEIPTS LESS CASH EXPENSES | 155.48 | 157.91 |
| CAPITAL REPLACEMENT | 81.82 | 89.68 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 73.66 | 68.23 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 676.20 | 637.93 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 9.28 | 10.12 |
| CAPITAL REPLACEMENT | 81.82 | 89.68 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 30.66 | 22.62 |
| OTHER NONLAND CAPITAL | 27.29 | 29.84 |
| LAND | 58.81 | 58.81 |
| UNPAID LABOR | 84.73 | 81.33 |
| RESIDUAL TO MANAGEMENT AND RISK | -23.16 | -25.10 |
| NET RETURNS TO OWNED INPUTS | 178.33 | 167.50 |
| PRICE (DOLLARS/CWT.) | 3.64 | 3.51 |
| YIELD (CWT./PLANTED ACRE) | 265.70 | 264.16 |

TABLE 56--FALL POTATO PRODUCTION COSTS, AROOSTOOK COUNTY, MAINE,
1981-82

| ITEM | 1981 | 1982 |
|---|----------|---------|
| <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,037.50 | 756.40 |
| TOTAL | 1,037.50 | 756.40 |
| CASH EXPENSES: | | |
| SEED | 234.08 | 144.70 |
| FERTILIZER | 159.65 | 160.04 |
| CHEMICALS | 124.24 | 133.18 |
| FUEL AND LUBRICATION | 86.76 | 82.79 |
| REPAIRS | 62.65 | 68.36 |
| HIRED LABOR | 94.08 | 97.49 |
| MISCELLANEOUS | 4.54 | 4.76 |
| TOTAL, VARIABLE EXPENSES | 766.00 | 691.32 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 11.65 | 12.67 |
| INTEREST | 125.33 | 91.37 |
| TOTAL, FIXED EXPENSES | 159.06 | 127.18 |
| TOTAL, CASH EXPENSES | 925.06 | 818.50 |
| RECEIPTS LESS CASH EXPENSES | 112.44 | -62.10 |
| CAPITAL REPLACEMENT | 85.90 | 93.72 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 26.54 | -155.82 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 766.00 | 691.32 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 11.65 | 12.67 |
| CAPITAL REPLACEMENT | 85.90 | 93.72 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 33.63 | 23.67 |
| OTHER NONLAND CAPITAL | 30.02 | 32.68 |
| LAND | 28.38 | 28.38 |
| UNPAID LABOR | 94.93 | 87.72 |
| RESIDUAL TO MANAGEMENT AND RISK | -35.09 | -236.90 |
| NET RETURNS TO OWNED INPUTS | 151.87 | -64.45 |
| PRICE (DOLLARS/CWT.) | 4.15 | 3.05 |
| YIELD (CWT./PLANTED ACRE) | 250.00 | 248.00 |

TABLE 57--FALL POTATO PRODUCTION COSTS, WISCONSIN, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,417.50 | 1,347.50 |
| TOTAL | 1,417.50 | 1,347.50 |
| CASH EXPENSES: | | |
| SEED | 216.00 | 158.40 |
| FERTILIZER | 168.56 | 168.56 |
| CHEMICALS | 132.35 | 141.88 |
| CUSTOM OPERATIONS | 2.75 | 2.85 |
| FUEL AND LUBRICATION | 141.52 | 139.29 |
| REPAIRS | 86.05 | 93.88 |
| HIRED LABOR | 72.37 | 75.06 |
| MISCELLANEOUS | 6.93 | 7.26 |
| TOTAL, VARIABLE EXPENSES | 826.53 | 787.18 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 11.49 | 12.50 |
| INTEREST | 211.21 | 200.78 |
| TOTAL, FIXED EXPENSES | 244.78 | 236.42 |
| TOTAL, CASH EXPENSES | 1,071.31 | 1,023.60 |
| RECEIPTS LESS CASH EXPENSES | 346.19 | 323.90 |
| CAPITAL REPLACEMENT | 105.29 | 114.87 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 240.90 | 209.03 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 826.53 | 787.18 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 11.49 | 12.50 |
| CAPITAL REPLACEMENT | 105.29 | 114.87 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 38.74 | 28.70 |
| OTHER NONLAND CAPITAL | 34.63 | 37.70 |
| LAND | 59.60 | 59.60 |
| UNPAID LABOR | 103.87 | 100.41 |
| RESIDUAL TO MANAGEMENT AND RISK | 215.27 | 183.40 |
| NET RETURNS TO OWNED INPUTS | 452.11 | 409.81 |
| PRICE (DOLLARS/CWT.) | 4.05 | 3.85 |
| YIELD (CWT./PLANTED ACRE) | 350.00 | 350.00 |

TABLE 58--FALL POTATO PRODUCTION COSTS, RED RIVER VALLEY,
1981-82

| ITEM | 1981 | 1982 |
|---|--------------------------|--------|
| | DOLLARS PER PLANTED ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 574.60 | 528.75 |
| TOTAL | 574.60 | 528.75 |
| CASH EXPENSES: | | |
| SEED | 151.20 | 76.32 |
| FERTILIZER | 46.40 | 46.40 |
| CHEMICALS | 62.07 | 66.54 |
| FUEL AND LUBRICATION | 47.70 | 46.46 |
| REPAIRS | 41.33 | 45.09 |
| HIRED LABOR | 42.51 | 44.05 |
| MISCELLANEOUS | 5.07 | 4.37 |
| TOTAL, VARIABLE EXPENSES | 396.28 | 329.23 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 5.84 | 6.35 |
| INTEREST | 87.63 | 80.63 |
| TOTAL, FIXED EXPENSES | 115.55 | 110.12 |
| TOTAL, CASH EXPENSES | 511.83 | 439.35 |
| RECEIPTS LESS CASH EXPENSES | 62.77 | 89.40 |
| CAPITAL REPLACEMENT | 46.97 | 51.25 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 15.80 | 38.15 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 396.28 | 329.23 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 5.84 | 6.35 |
| CAPITAL REPLACEMENT | 46.97 | 51.25 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 15.50 | 9.38 |
| OTHER NONLAND CAPITAL | 15.41 | 16.78 |
| LAND | 35.62 | 35.62 |
| UNPAID LABOR | 50.21 | 43.61 |
| RESIDUAL TO MANAGEMENT AND RISK | -13.31 | 13.39 |
| NET RETURNS TO OWNED INPUTS | 103.43 | 118.78 |
| PRICE (DOLLARS/CWT.) | 3.40 | 3.75 |
| YIELD (CWT./PLANTED ACRE) | 169.00 | 141.00 |

TABLE 59--FALL POTATO PRODUCTION COSTS, EASTERN IDAHO,
1981-82

| ITEM | 1981 | 1982 |
|---|---------|---------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 889.20 | 879.65 |
| TOTAL | 889.20 | 879.65 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 173.40 | 132.60 |
| FERTILIZER | 132.48 | 132.48 |
| CHEMICALS | 78.34 | 83.98 |
| CUSTOM OPERATIONS | 26.40 | 27.55 |
| FUEL AND LUBRICATION | 107.78 | 110.98 |
| REPAIRS | 68.12 | 74.32 |
| HIRED LABOR | 60.48 | 62.65 |
| MISCELLANEOUS | 18.35 | 19.23 |
| TOTAL, VARIABLE EXPENSES | 665.35 | 643.79 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 10.99 | 11.96 |
| INTEREST | 91.23 | 90.25 |
| TOTAL, FIXED EXPENSES | 124.30 | 125.35 |
| TOTAL, CASH EXPENSES | 789.65 | 769.14 |
| RECEIPTS LESS CASH EXPENSES | 99.55 | 110.51 |
| CAPITAL REPLACEMENT | 103.68 | 113.12 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -4.13 | -2.61 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 665.35 | 643.79 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 10.99 | 11.96 |
| CAPITAL REPLACEMENT | 103.68 | 113.12 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 30.97 | 23.35 |
| OTHER NONLAND CAPITAL | 34.44 | 37.49 |
| LAND | 62.58 | 62.58 |
| UNPAID LABOR | 86.75 | 85.29 |
| RESIDUAL TO MANAGEMENT AND RISK | -127.64 | -121.07 |
| NET RETURNS TO OWNED INPUTS | 87.10 | 87.64 |
| PRICE (DOLLARS/CWT.) | 3.90 | 3.65 |
| YIELD (CWT./PLANTED ACRE) | 228.00 | 241.00 |
| ----- | | |

TABLE 60--FALL POTATO PRODUCTION COSTS, SOUTHWESTERN IDAHO,
1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,306.50 | 1,277.50 |
| TOTAL | 1,306.50 | 1,277.50 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 192.28 | 151.80 |
| FERTILIZER | 165.62 | 165.62 |
| CHEMICALS | 108.98 | 116.83 |
| CUSTOM OPERATIONS | 44.01 | 45.85 |
| FUEL AND LUBRICATION | 74.47 | 74.21 |
| REPAIRS | 50.75 | 55.37 |
| HIRED LABOR | 72.28 | 74.88 |
| MISCELLANEOUS | 23.77 | 25.89 |
| TOTAL, VARIABLE EXPENSES | 732.16 | 710.45 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 7.47 | 8.12 |
| INTEREST | 134.05 | 131.07 |
| TOTAL, FIXED EXPENSES | 163.60 | 162.33 |
| TOTAL, CASH EXPENSES | 895.76 | 872.78 |
| RECEIPTS LESS CASH EXPENSES | 410.74 | 404.72 |
| CAPITAL REPLACEMENT | 60.93 | 66.47 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 349.81 | 338.25 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 732.16 | 710.45 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 7.47 | 8.12 |
| CAPITAL REPLACEMENT | 60.93 | 66.47 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 36.68 | 28.07 |
| OTHER NONLAND CAPITAL | 30.36 | 22.16 |
| LAND | 98.24 | 98.24 |
| UNPAID LABOR | 87.97 | 85.84 |
| RESIDUAL TO MANAGEMENT AND RISK | 230.51 | 235.01 |
| NET RETURNS TO OWNED INPUTS | 483.86 | 469.32 |
| PRICE (DOLLARS/CWT.) | 3.90 | 3.65 |
| YIELD (CWT./PLANTED ACRE) | 335.00 | 350.00 |

TABLE 61--FALL POTATO PRODUCTION COSTS, SOUTH CENTRAL IDAHO,
1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,103.70 | 1,095.00 |
| TOTAL | 1,103.70 | 1,095.00 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 194.85 | 151.55 |
| FERTILIZER | 143.52 | 143.52 |
| CHEMICALS | 79.77 | 85.51 |
| CUSTOM OPERATIONS | 38.55 | 40.23 |
| FUEL AND LUBRICATION | 101.43 | 104.38 |
| REPAIRS | 65.33 | 71.27 |
| HIRED LABOR | 55.27 | 57.26 |
| MISCELLANEOUS | 20.70 | 22.79 |
| TOTAL, VARIABLE EXPENSES | 699.42 | 676.51 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 10.10 | 10.99 |
| INTEREST | 113.24 | 112.35 |
| TOTAL, FIXED EXPENSES | 145.42 | 146.48 |
| TOTAL, CASH EXPENSES | 844.84 | 822.99 |
| RECEIPTS LESS CASH EXPENSES | 258.86 | 272.01 |
| CAPITAL REPLACEMENT | 98.83 | 107.83 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 160.03 | 164.18 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 699.42 | 676.51 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 10.10 | 10.99 |
| CAPITAL REPLACEMENT | 98.83 | 107.83 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 34.26 | 25.96 |
| OTHER NONLAND CAPITAL | 32.37 | 35.24 |
| LAND | 76.34 | 76.34 |
| UNPAID LABOR | 89.71 | 87.97 |
| RESIDUAL TO MANAGEMENT AND RISK | 40.59 | 51.02 |
| NET RETURNS TO OWNED INPUTS | 273.27 | 276.53 |
| PRICE (DOLLARS/CWT.) | 3.90 | 3.65 |
| YIELD (CWT./PLANTED ACRE) | 283.00 | 300.00 |

TABLE 62--FALL POTATO PRODUCTION COSTS, WASHINGTON, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,494.50 | 1,584.00 |
| TOTAL | 1,494.50 | 1,584.00 |
| CASH EXPENSES: | | |
| SEED | 283.00 | 237.72 |
| FERTILIZER | 239.89 | 239.89 |
| CHEMICALS | 209.89 | 225.02 |
| CUSTOM OPERATIONS | 28.64 | 30.00 |
| FUEL AND LUBRICATION | 76.90 | 76.76 |
| REPAIRS | 60.57 | 66.08 |
| HIRED LABOR | 61.65 | 63.95 |
| PURCHASED IRRIGATION WATER | 22.02 | 22.99 |
| MISCELLANEOUS | 70.44 | 73.15 |
| TOTAL, VARIABLE EXPENSES | 1,053.00 | 1,035.56 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 8.62 | 9.38 |
| INTEREST | 101.33 | 107.40 |
| TOTAL, FIXED EXPENSES | 132.03 | 139.92 |
| TOTAL, CASH EXPENSES | 1,185.03 | 1,175.48 |
| RECEIPTS LESS CASH EXPENSES | 309.47 | 408.52 |
| CAPITAL REPLACEMENT | 79.59 | 86.84 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 229.88 | 321.68 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,053.00 | 1,035.56 |
| GENERAL FARM OVERHEAD | 22.08 | 23.14 |
| TAXES AND INSURANCE | 8.62 | 9.38 |
| CAPITAL REPLACEMENT | 79.59 | 86.84 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 48.75 | 38.28 |
| OTHER NONLAND CAPITAL | 26.54 | 28.89 |
| LAND | 101.70 | 101.70 |
| UNPAID LABOR | 123.86 | 122.21 |
| RESIDUAL TO MANAGEMENT AND RISK | 30.36 | 138.00 |
| NET RETURNS TO OWNED INPUTS | 331.21 | 429.08 |
| PRICE (DOLLARS/CWT.) | 3.05 | 3.30 |
| YIELD (CWT./PLANTED ACRE) | 490.00 | 480.00 |

TABLE 63--U.S. SUGAR BEET PRODUCTION COSTS, 1981-82

| ITEM | 1981 | 1982 |
|---|--------|--------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | 645.86 | 716.48 |
| PRIMARY CROP | 3.44 | 2.97 |
| SECONDARY CROP | 649.30 | 719.45 |
| TOTAL | | |
| ===== | | |
| CASH EXPENSES: | 19.18 | 22.96 |
| SEED | 58.66 | 58.01 |
| FERTILIZER | 50.62 | 52.69 |
| CHEMICALS | 41.78 | 35.98 |
| CUSTOM OPERATIONS | 47.88 | 46.85 |
| FUEL AND LUBRICATION | 30.11 | 32.03 |
| REPAIRS | 53.94 | 54.28 |
| HIRED LABOR | 11.58 | 10.61 |
| PURCHASED IRRIGATION WATER | 2.69 | 2.59 |
| MISCELLANEOUS | 316.44 | 316.00 |
| TOTAL, VARIABLE EXPENSES | | |
| GENERAL FARM OVERHEAD | 42.38 | 42.41 |
| TAXES AND INSURANCE | 17.65 | 17.29 |
| INTEREST | 111.10 | 113.00 |
| TOTAL, FIXED EXPENSES | 171.13 | 172.70 |
| TOTAL, CASH EXPENSES | 487.57 | 488.70 |
| RECEIPTS LESS CASH EXPENSES | 161.73 | 230.75 |
| CAPITAL REPLACEMENT | 50.91 | 53.95 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 110.82 | 176.80 |
| ===== | | |
| ECONOMIC COSTS: | 316.44 | 316.00 |
| VARIABLE EXPENSES | 42.38 | 42.41 |
| GENERAL FARM OVERHEAD | 17.65 | 17.29 |
| TAXES AND INSURANCE | 50.91 | 53.95 |
| CAPITAL REPLACEMENT | | |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 22.39 | 17.68 |
| OTHER NONLAND CAPITAL | 21.01 | 22.23 |
| LAND | 74.64 | 73.20 |
| UNPAID LABOR | 35.34 | 34.70 |
| RESIDUAL TO MANAGEMENT AND RISK | 68.54 | 141.99 |
| NET RETURNS TO OWNED INPUTS | 221.92 | 289.80 |
| PRICE (DOLLARS/TON) | 29.37 | 35.81 |
| YIELD (NET TONS/PLANTED ACRE) | 21.99 | 20.01 |

TABLE 64--SUGAR BEET PRODUCTION COSTS, MICHIGAN AND OHIO,
1981-82

| ITEM | 1981 | 1982 |
|---|--------|--------|
| DOLLARS PER PLANTED ACRE | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 525.19 | 694.97 |
| TOTAL | 525.19 | 694.97 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 6.48 | 6.62 |
| FERTILIZER | 85.25 | 79.08 |
| CHEMICALS | 31.23 | 33.49 |
| CUSTOM OPERATIONS | 41.39 | 36.26 |
| FUEL AND LUBRICATION | 27.90 | 28.41 |
| REPAIRS | 23.38 | 26.41 |
| HIRED LABOR | 19.30 | 18.78 |
| MISCELLANEOUS | 2.30 | 2.30 |
| TOTAL, VARIABLE EXPENSES | 237.23 | 231.35 |
| GENERAL FARM OVERHEAD | 33.89 | 34.85 |
| TAXES AND INSURANCE | 21.69 | 26.08 |
| INTEREST | 104.01 | 106.96 |
| TOTAL, FIXED EXPENSES | 159.59 | 167.89 |
| TOTAL, CASH EXPENSES | 396.82 | 399.24 |
| RECEIPTS LESS CASH EXPENSES | 128.37 | 295.73 |
| CAPITAL REPLACEMENT | 35.58 | 40.03 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 92.79 | 255.70 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 237.23 | 231.35 |
| GENERAL FARM OVERHEAD | 33.89 | 34.85 |
| TAXES AND INSURANCE | 21.69 | 26.08 |
| CAPITAL REPLACEMENT | 35.58 | 40.03 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 16.23 | 12.82 |
| OTHER NONLAND CAPITAL | 15.48 | 17.41 |
| LAND | 57.13 | 49.92 |
| UNPAID LABOR | 26.08 | 25.99 |
| RESIDUAL TO MANAGEMENT AND RISK | 81.88 | 256.52 |
| NET RETURNS TO OWNED INPUTS | 196.80 | 362.66 |
| PRICE (DOLLARS/TON) | 26.82 | 36.62 |
| YIELD (NET TONS/PLANTED ACRE) | 19.58 | 18.98 |

TABLE 65--SUGAR BEET PRODUCTION COSTS, MINNESOTA AND
NORTH DAKOTA, 1981-82

| ITEM | 1981 | 1982 |
|---|--------------------------|--------|
| | DOLLARS PER PLANTED ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 347.53 | 606.31 |
| TOTAL | 347.53 | 606.31 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 23.54 | 27.22 |
| FERTILIZER | 38.91 | 37.99 |
| CHEMICALS | 42.98 | 45.99 |
| CUSTOM OPERATIONS | 8.65 | 9.34 |
| FUEL AND LUBRICATION | 30.84 | 30.31 |
| REPAIRS | 26.19 | 28.58 |
| HIRED LABOR | 32.47 | 34.63 |
| MISCELLANEOUS | .49 | .49 |
| TOTAL, VARIABLE EXPENSES | 204.07 | 214.55 |
| GENERAL FARM OVERHEAD | 22.58 | 23.68 |
| TAXES AND INSURANCE | 12.59 | 13.76 |
| INTEREST | 60.65 | 63.60 |
| TOTAL, FIXED EXPENSES | 95.82 | 101.04 |
| TOTAL, CASH EXPENSES | 299.89 | 315.59 |
| RECEIPTS LESS CASH EXPENSES | 47.64 | 290.72 |
| CAPITAL REPLACEMENT | 45.05 | 49.13 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 2.59 | 241.59 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 204.07 | 214.55 |
| GENERAL FARM OVERHEAD | 22.58 | 23.68 |
| TAXES AND INSURANCE | 12.59 | 13.76 |
| CAPITAL REPLACEMENT | 45.05 | 49.13 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 13.37 | 11.35 |
| OTHER NONLAND CAPITAL | 19.85 | 21.61 |
| LAND | 42.97 | 47.51 |
| UNPAID LABOR | 21.73 | 22.95 |
| RESIDUAL TO MANAGEMENT AND RISK | -34.68 | 201.77 |
| NET RETURNS TO OWNED INPUTS | 63.24 | 305.19 |
| PRICE (DOLLARS/TON) | 19.86 | 33.99 |
| YIELD (NET TONS/PLANTED ACRE) | 17.50 | 17.84 |

TABLE 66--SUGAR BEET PRODUCTION COSTS, KANSAS, COLORADO,
NEBRASKA, AND SOUTHEASTERN WYOMING, 1981-82

| ITEM | 1981 | 1982 |
|---|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 766.72 | 639.26 |
| SECONDARY CROP | 7.77 | 7.02 |
| TOTAL | 774.49 | 646.28 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 18.85 | 19.30 |
| FERTILIZER | 46.92 | 47.13 |
| CHEMICALS | 39.09 | 41.69 |
| CUSTOM OPERATIONS | 19.35 | 17.82 |
| FUEL AND LUBRICATION | 57.06 | 56.08 |
| REPAIRS | 32.86 | 33.15 |
| HIRED LABOR | 59.17 | 67.32 |
| PURCHASED IRRIGATION WATER | 6.35 | 6.76 |
| MISCELLANEOUS | .92 | .78 |
| TOTAL, VARIABLE EXPENSES | 280.57 | 290.03 |
| GENERAL FARM OVERHEAD | 47.39 | 49.93 |
| TAXES AND INSURANCE | 16.73 | 17.05 |
| INTEREST | 125.16 | 131.86 |
| TOTAL, FIXED EXPENSES | 189.28 | 198.84 |
| TOTAL, CASH EXPENSES | 469.85 | 488.87 |
| RECEIPTS LESS CASH EXPENSES | 304.64 | 157.41 |
| CAPITAL REPLACEMENT | 59.18 | 60.64 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 245.46 | 96.77 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 280.57 | 290.03 |
| GENERAL FARM OVERHEAD | 47.39 | 49.93 |
| TAXES AND INSURANCE | 16.73 | 17.05 |
| CAPITAL REPLACEMENT | 59.18 | 60.64 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 17.94 | 14.85 |
| OTHER NONLAND CAPITAL | 23.36 | 23.59 |
| LAND | 62.21 | 61.63 |
| UNPAID LABOR | 42.20 | 45.92 |
| RESIDUAL TO MANAGEMENT AND RISK | 224.91 | 82.64 |
| NET RETURNS TO OWNED INPUTS | 370.62 | 228.63 |
| PRICE (DOLLARS/TON) | 34.06 | 35.49 |
| YIELD (NET TONS/PLANTED ACRE) | 22.51 | 18.01 |

TABLE 67--SUGAR BEET PRODUCTION COSTS, TEXAS AND
NEW MEXICO, 1981-82

| ITEM | 1981 | 1982 |
|---|--------------------------|---------|
| | DOLLARS PER PLANTED ACRE | |
| CASH RECEIPTS: | 673.79 | 629.98 |
| PRIMARY CROP | 14.56 | 13.15 |
| SECONDARY CROP | 688.35 | 643.13 |
| TOTAL | | |
| ===== | | |
| CASH EXPENSES: | 19.22 | 19.64 |
| SEED | 31.35 | 29.30 |
| FERTILIZER | 96.03 | 103.00 |
| CHEMICALS | 78.52 | 65.48 |
| CUSTOM OPERATIONS | 83.29 | 92.57 |
| FUEL AND LUBRICATION | 47.80 | 51.69 |
| REPAIRS | 42.33 | 45.19 |
| HIRED LABOR | 398.54 | 406.87 |
| TOTAL, VARIABLE EXPENSES | | |
| | 52.91 | 56.38 |
| GENERAL FARM OVERHEAD | 10.37 | 10.38 |
| TAXES AND INSURANCE | 231.74 | 246.94 |
| INTEREST | 295.02 | 313.70 |
| TOTAL, FIXED EXPENSES | | |
| | 693.56 | 720.57 |
| TOTAL, CASH EXPENSES | | |
| | -5.21 | -77.44 |
| RECEIPTS LESS CASH EXPENSES | 63.69 | 68.72 |
| CAPITAL REPLACEMENT | -68.90 | -146.16 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | | |
| ===== | | |
| ECONOMIC COSTS: | 398.54 | 406.87 |
| VARIABLE EXPENSES | 52.91 | 56.38 |
| GENERAL FARM OVERHEAD | 10.37 | 10.38 |
| TAXES AND INSURANCE | 63.69 | 68.72 |
| CAPITAL REPLACEMENT | | |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 28.05 | 22.93 |
| OTHER NONLAND CAPITAL | 21.85 | 23.44 |
| LAND | 29.48 | 27.36 |
| UNPAID LABOR | 41.26 | 43.73 |
| RESIDUAL TO MANAGEMENT AND RISK | 42.20 | -16.68 |
| NET RETURNS TO OWNED INPUTS | 162.84 | 100.78 |
| | | |
| PRICE (DOLLARS/TON) | 30.72 | 35.45 |
| YIELD (NET TONS/PLANTED ACRE) | 21.93 | 17.77 |
| ===== | | |

TABLE 68--SUGAR BEET PRODUCTION COSTS, MONTANA, NORTHWESTERN
WYOMING, AND SOUTHWESTERN NORTH DAKOTA, 1981-82

| ITEM | 1981 | 1982 |
|---|--------|--------|
| <u>DOLLARS PER PLANTED ACRE</u> | | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 807.19 | 828.84 |
| SECONDARY CROP | 17.86 | 16.12 |
| TOTAL | 825.05 | 844.96 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 25.00 | 30.95 |
| FERTILIZER | 78.83 | 77.91 |
| CHEMICALS | 31.22 | 33.45 |
| CUSTOM OPERATIONS | 6.53 | 6.65 |
| FUEL AND LUBRICATION | 43.66 | 41.07 |
| REPAIRS | 31.59 | 33.67 |
| HIRED LABOR | 75.86 | 87.38 |
| PURCHASED IRRIGATION WATER | 12.50 | 13.08 |
| MISCELLANEOUS | 12.86 | 13.85 |
| TOTAL, VARIABLE EXPENSES | 318.05 | 338.01 |
| GENERAL FARM OVERHEAD | 48.51 | 50.74 |
| TAXES AND INSURANCE | 14.02 | 14.04 |
| INTEREST | 115.60 | 120.90 |
| TOTAL, FIXED EXPENSES | 178.13 | 185.68 |
| TOTAL, CASH EXPENSES | 496.18 | 523.69 |
| RECEIPTS LESS CASH EXPENSES | 328.87 | 321.27 |
| CAPITAL REPLACEMENT | 51.63 | 55.24 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 277.24 | 266.03 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 318.05 | 338.01 |
| GENERAL FARM OVERHEAD | 48.51 | 50.74 |
| TAXES AND INSURANCE | 14.02 | 14.04 |
| CAPITAL REPLACEMENT | 51.63 | 55.24 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 18.74 | 16.05 |
| OTHER NONLAND CAPITAL | 20.99 | 22.32 |
| LAND | 51.94 | 50.17 |
| UNPAID LABOR | 32.46 | 36.68 |
| RESIDUAL TO MANAGEMENT AND RISK | 268.71 | 261.71 |
| NET RETURNS TO OWNED INPUTS | 392.84 | 386.93 |
| PRICE (DOLLARS/TON) | 37.58 | 39.75 |
| YIELD (NET TONS/PLANTED ACRE) | 21.48 | 20.85 |

TABLE 69--SUGAR BEET PRODUCTION COSTS, EASTERN IDAHO, 1981-82

| ITEM | 1981 | 1982 |
|---|--------------------------|--------|
| | DOLLARS PER PLANTED ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 784.55 | 784.92 |
| SECONDARY CROP | 1.42 | 1.28 |
| TOTAL | 785.97 | 786.20 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 25.46 | 32.13 |
| FERTILIZER | 79.41 | 82.43 |
| CHEMICALS | 34.29 | 36.75 |
| CUSTOM OPERATIONS | 22.05 | 21.63 |
| FUEL AND LUBRICATION | 74.39 | 75.12 |
| REPAIRS | 38.06 | 39.89 |
| HIRED LABOR | 63.41 | 57.30 |
| PURCHASED IRRIGATION WATER | 14.57 | 15.21 |
| MISCELLANEOUS | 2.96 | 2.71 |
| TOTAL, VARIABLE EXPENSES | 354.60 | 363.17 |
| GENERAL FARM OVERHEAD | 47.22 | 49.48 |
| TAXES AND INSURANCE | 16.41 | 16.70 |
| INTEREST | 113.41 | 118.85 |
| TOTAL, FIXED EXPENSES | 177.04 | 185.03 |
| TOTAL, CASH EXPENSES | 531.64 | 548.20 |
| RECEIPTS LESS CASH EXPENSES | 254.33 | 238.00 |
| CAPITAL REPLACEMENT | 62.87 | 66.39 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 191.46 | 171.61 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 354.60 | 363.17 |
| GENERAL FARM OVERHEAD | 47.22 | 49.48 |
| TAXES AND INSURANCE | 16.41 | 16.70 |
| CAPITAL REPLACEMENT | 62.87 | 66.39 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 21.02 | 17.19 |
| OTHER NONLAND CAPITAL | 24.68 | 25.79 |
| LAND | 70.33 | 80.45 |
| UNPAID LABOR | 36.62 | 32.01 |
| RESIDUAL TO MANAGEMENT AND RISK | 152.22 | 135.02 |
| NET RETURNS TO OWNED INPUTS | 304.87 | 290.46 |
| PRICE (DOLLARS/TON) | 34.14 | 36.24 |
| YIELD (NET TONS/PLANTED ACRE) | 22.98 | 21.66 |

TABLE 70--SUGAR BEET PRODUCTION COSTS, WESTERN IDAHO AND
OREGON, 1981-82

| ITEM | 1981 | 1982 |
|---|---------------------------------|--------|
| | <u>DOLLARS PER PLANTED ACRE</u> | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 1,006.43 | 933.56 |
| SECONDARY CROP | .91 | .82 |
| TOTAL | 1,007.34 | 934.38 |
| ===== | | |
| CASH EXPENSES: | | |
| SEED | 23.98 | 31.79 |
| FERTILIZER | 100.08 | 102.83 |
| CHEMICALS | 53.35 | 57.20 |
| CUSTOM OPERATIONS | 32.09 | 32.33 |
| FUEL AND LUBRICATION | 49.43 | 47.79 |
| REPAIRS | 32.70 | 34.94 |
| HIRED LABOR | 70.77 | 66.16 |
| PURCHASED IRRIGATION WATER | 24.56 | 25.66 |
| MISCELLANEOUS | .06 | .06 |
| TOTAL, VARIABLE EXPENSES | 387.02 | 398.76 |
| GENERAL FARM OVERHEAD | 63.18 | 66.12 |
| TAXES AND INSURANCE | 18.90 | 18.18 |
| INTEREST | 188.63 | 197.43 |
| TOTAL, FIXED EXPENSES | 270.71 | 281.73 |
| TOTAL, CASH EXPENSES | 657.73 | 680.49 |
| RECEIPTS LESS CASH EXPENSES | 349.61 | 253.89 |
| CAPITAL REPLACEMENT | 52.60 | 56.42 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 297.01 | 197.47 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 387.02 | 398.76 |
| GENERAL FARM OVERHEAD | 63.18 | 66.12 |
| TAXES AND INSURANCE | 18.90 | 18.18 |
| CAPITAL REPLACEMENT | 52.60 | 56.42 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 25.73 | 21.29 |
| OTHER NONLAND CAPITAL | 20.78 | 22.13 |
| LAND | 99.77 | 104.92 |
| UNPAID LABOR | 48.77 | 45.14 |
| RESIDUAL TO MANAGEMENT AND RISK | 290.59 | 201.42 |
| NET RETURNS TO OWNED INPUTS | 485.64 | 394.90 |
| PRICE (DOLLARS/TON) | 35.87 | 39.57 |
| YIELD (NET TONS/PLANTED ACRE) | 28.06 | 23.59 |

TABLE 71--SUGAR BEET PRODUCTION COSTS, CALIFORNIA AND ARIZONA,
1981-82

| ITEM | 1981 | 1982 |
|---|--------------------------|--------|
| | DOLLARS PER PLANTED ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP | 844.30 | 870.77 |
| SECONDARY CROP | 2.71 | 2.44 |
| TOTAL | 847.01 | 873.21 |
| CASH EXPENSES: | | |
| SEED | 13.66 | 14.81 |
| FERTILIZER | 62.64 | 65.71 |
| CHEMICALS | 82.56 | 89.30 |
| CUSTOM OPERATIONS | 119.61 | 121.14 |
| FUEL AND LUBRICATION | 63.97 | 68.66 |
| REPAIRS | 31.41 | 33.27 |
| HIRED LABOR | 82.64 | 88.21 |
| PURCHASED IRRIGATION WATER | 32.85 | 34.70 |
| MISCELLANEOUS | 5.18 | 5.33 |
| TOTAL, VARIABLE EXPENSES | 494.52 | 521.13 |
| GENERAL FARM OVERHEAD | 60.45 | 62.97 |
| TAXES AND INSURANCE | 25.60 | 22.85 |
| INTEREST | 139.66 | 145.49 |
| TOTAL, FIXED EXPENSES | 225.71 | 231.31 |
| TOTAL, CASH EXPENSES | 720.23 | 752.44 |
| RECEIPTS LESS CASH EXPENSES | 126.78 | 120.77 |
| CAPITAL REPLACEMENT | 54.63 | 57.91 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 72.15 | 62.86 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 494.52 | 521.13 |
| GENERAL FARM OVERHEAD | 60.45 | 62.97 |
| TAXES AND INSURANCE | 25.60 | 22.85 |
| CAPITAL REPLACEMENT | 54.63 | 57.91 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 40.84 | 34.47 |
| OTHER NONLAND CAPITAL | 22.30 | 23.57 |
| LAND | 140.88 | 150.96 |
| UNPAID LABOR | 49.90 | 51.18 |
| RESIDUAL TO MANAGEMENT AND RISK | -42.11 | -51.83 |
| NET RETURNS TO OWNED INPUTS | 211.81 | 208.35 |
| PRICE (DOLLARS/TON) | 31.07 | 35.45 |
| YIELD (NET TONS/PLANTED ACRE) | 27.17 | 24.56 |

TABLE 72--U.S. SUGARCANE PRODUCTION COSTS, 1981-82

| ITEM | 1981 | 1982 |
|---|---------|----------|
| | DOLLARS | PER ACRE |
| CASH RECEIPTS: | | |
| PRIMARY CROP <u>1/</u> | 910.71 | 1,084.25 |
| HAULING ALLOWANCE | 11.97 | 11.63 |
| TOTAL | 922.68 | 1,095.88 |
| CASH EXPENSES: | | |
| SEED | 1.35 | 1.08 |
| FERTILIZER | 87.00 | 88.02 |
| CHEMICALS | 50.40 | 53.85 |
| CUSTOM OPERATIONS | 32.65 | 33.89 |
| FUEL AND LUBRICATION | 72.50 | 71.48 |
| REPAIRS | 132.65 | 143.75 |
| HIRED LABOR | 295.41 | 337.05 |
| PURCHASED IRRIGATION WATER | 2.22 | 2.31 |
| MISCELLANEOUS | 10.69 | 11.75 |
| TOTAL, VARIABLE EXPENSES | 684.87 | 743.18 |
| GENERAL FARM OVERHEAD | 74.17 | 81.05 |
| TAXES AND INSURANCE | 26.39 | 28.65 |
| INTEREST | N/A | N/A |
| TOTAL, FIXED EXPENSES | 100.56 | 109.70 |
| TOTAL, CASH EXPENSES | 785.43 | 852.88 |
| RECEIPTS LESS CASH EXPENSES | 137.25 | 243.00 |
| CAPITAL REPLACEMENT | 61.25 | 68.46 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 76.00 | 174.54 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 684.87 | 743.18 |
| GENERAL FARM OVERHEAD | 74.17 | 81.05 |
| TAXES AND INSURANCE | 26.39 | 28.65 |
| CAPITAL REPLACEMENT | 61.25 | 68.46 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 61.81 | 53.28 |
| OTHER NONLAND CAPITAL | 46.91 | 50.41 |
| LAND | 155.07 | 160.72 |
| UNPAID LABOR | 20.68 | 22.58 |
| RESIDUAL TO MANAGEMENT AND RISK | -208.47 | -112.45 |
| NET RETURNS TO OWNED INPUTS | 76.00 | 174.54 |
| PRICE (DOLLARS/TON) | 24.88 | 27.38 |
| YIELD (NET TONS/ACRE) | 36.60 | 39.60 |

1/ INCLUDES RETURNS FROM MOLASSES.

TABLE 73--SUGARCANE PRODUCTION COSTS, FLORIDA, 1981-82

| ITEM | 1981 | 1982 |
|---|------------------|--------|
| | DOLLARS PER ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP <u>1/</u> | 815.10 | 987.17 |
| TOTAL | 815.10 | 987.17 |
| CASH EXPENSES: | | |
| SEED | 1.38 | 1.41 |
| FERTILIZER | 45.79 | 46.70 |
| CHEMICALS | 37.32 | 39.79 |
| CUSTOM OPERATIONS | 19.53 | 21.74 |
| FUEL AND LUBRICATION | 52.99 | 54.70 |
| REPAIRS | 100.97 | 112.85 |
| HIRED LABOR | 299.98 | 365.01 |
| MISCELLANEOUS | 6.10 | 6.75 |
| TOTAL, VARIABLE EXPENSES | 564.06 | 648.95 |
| GENERAL FARM OVERHEAD | 53.05 | 59.56 |
| TAXES AND INSURANCE | 32.83 | 35.26 |
| INTEREST | N/A | N/A |
| TOTAL, FIXED EXPENSES | 85.88 | 94.82 |
| TOTAL, CASH EXPENSES | 649.94 | 743.77 |
| RECEIPTS LESS CASH EXPENSES | 165.16 | 243.40 |
| CAPITAL REPLACEMENT | 35.60 | 41.36 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 129.56 | 202.04 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 564.06 | 648.95 |
| GENERAL FARM OVERHEAD | 53.05 | 59.56 |
| TAXES AND INSURANCE | 32.83 | 35.26 |
| CAPITAL REPLACEMENT | 35.60 | 41.36 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 42.64 | 39.32 |
| OTHER NONLAND CAPITAL | 36.81 | 39.87 |
| LAND | 183.54 | 195.33 |
| RESIDUAL TO MANAGEMENT AND RISK | -133.43 | -72.48 |
| NET RETURNS TO OWNED INPUTS | 129.56 | 202.04 |
| PRICE (DOLLARS/TON) | 28.60 | 29.38 |
| YIELD (NET TONS/ACRE) | 28.50 | 33.60 |

1/ INCLUDES RETURNS FROM MOLASSES.

TABLE 74--SUGARCANE PRODUCTION COSTS, HAWAII, 1981-82

| ITEM | 1981 | 1982 |
|---|-------------------------|----------|
| | <u>DOLLARS PER ACRE</u> | |
| CASH RECEIPTS: | | |
| PRIMARY CROP <u>1/</u> | 2,126.75 | 2,600.08 |
| TOTAL | 2,126.75 | 2,600.08 |
| CASH EXPENSES: | | |
| SEED | 5.37 | 3.08 |
| FERTILIZER | 338.03 | 367.68 |
| CHEMICALS | 108.89 | 120.28 |
| CUSTOM OPERATIONS | 106.74 | 107.95 |
| FUEL AND LUBRICATION | 133.58 | 154.21 |
| REPAIRS | 422.00 | 461.31 |
| HIRED LABOR | 1,053.61 | 1,149.97 |
| MISCELLANEOUS | 57.56 | 65.65 |
| TOTAL, VARIABLE EXPENSES | 2,225.78 | 2,430.13 |
| GENERAL FARM OVERHEAD | 258.14 | 292.79 |
| TAXES AND INSURANCE | 37.37 | 41.44 |
| INTEREST | N/A | N/A |
| TOTAL, FIXED EXPENSES | 295.51 | 334.23 |
| TOTAL, CASH EXPENSES | 2,521.29 | 2,764.36 |
| RECEIPTS LESS CASH EXPENSES | -394.54 | -164.28 |
| CAPITAL REPLACEMENT | 115.33 | 137.91 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -509.87 | -302.19 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 2,225.78 | 2,430.13 |
| GENERAL FARM OVERHEAD | 258.14 | 292.79 |
| TAXES AND INSURANCE | 37.37 | 41.44 |
| CAPITAL REPLACEMENT | 115.33 | 137.91 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 171.80 | 151.34 |
| OTHER NONLAND CAPITAL | 126.49 | 140.11 |
| LAND | 262.20 | 261.60 |
| RESIDUAL TO MANAGEMENT AND RISK | -1,070.36 | -855.24 |
| NET RETURNS TO OWNED INPUTS | -509.87 | -302.19 |
| PRICE (DOLLARS/TON) | 23.50 | 26.37 |
| YIELD (NET TONS/ACRE) | 90.50 | 98.60 |

1/ INCLUDES RETURNS FROM MOLASSES.

TABLE 75--SUGARCANE PRODUCTION COSTS, LOUISIANA, 1981-82

| ITEM | 1981 | 1982 |
|---|------------------|--------|
| | DOLLARS PER ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP ^{1/} | 616.01 | 705.46 |
| HAULING ALLOWANCE | 34.60 | 34.60 |
| TOTAL | 650.61 | 740.06 |
| CASH EXPENSES: | | |
| FERTILIZER | 47.56 | 44.78 |
| CHEMICALS | 44.01 | 47.48 |
| CUSTOM OPERATIONS | 16.00 | 17.47 |
| FUEL AND LUBRICATION | 80.10 | 69.55 |
| REPAIRS | 63.39 | 69.22 |
| HIRED LABOR | 14.85 | 16.43 |
| TOTAL, VARIABLE EXPENSES | 265.91 | 264.93 |
| GENERAL FARM OVERHEAD | 35.76 | 37.48 |
| TAXES AND INSURANCE | 15.50 | 16.92 |
| INTEREST | N/A | N/A |
| TOTAL, FIXED EXPENSES | 51.26 | 54.40 |
| TOTAL, CASH EXPENSES | 317.17 | 319.33 |
| RECEIPTS LESS CASH EXPENSES | 333.44 | 420.73 |
| CAPITAL REPLACEMENT | 80.77 | 88.16 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 252.67 | 332.57 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 265.91 | 264.93 |
| GENERAL FARM OVERHEAD | 35.76 | 37.48 |
| TAXES AND INSURANCE | 15.50 | 16.92 |
| CAPITAL REPLACEMENT | 80.77 | 88.16 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 44.67 | 36.60 |
| OTHER NONLAND CAPITAL | 35.04 | 37.71 |
| LAND | 87.01 | 85.33 |
| UNPAID LABOR | 57.74 | 64.80 |
| RESIDUAL TO MANAGEMENT AND RISK | 28.21 | 108.13 |
| NET RETURNS TO OWNED INPUTS | 252.67 | 332.57 |
| PRICE (DOLLARS/TON) | 22.90 | 25.56 |
| YIELD (NET TONS/ACRE) | 26.90 | 27.60 |

^{1/} INCLUDES RETURNS FROM MOLASSES.

TABLE 76--SUGARCANE PRODUCTION COSTS, TEXAS, 1981-82

| ITEM | 1981 | 1982 |
|---|------------------|--------|
| | DOLLARS PER ACRE | |
| CASH RECEIPTS: | | |
| PRIMARY CROP <u>1/</u> | 500.85 | 748.96 |
| TOTAL | 500.85 | 748.96 |
| CASH EXPENSES: | | |
| FERTILIZER | 59.36 | 55.67 |
| CHEMICALS | 56.04 | 60.49 |
| CUSTOM OPERATIONS | 65.87 | 68.81 |
| FUEL AND LUBRICATION | 35.68 | 33.92 |
| REPAIRS | 115.76 | 122.67 |
| HIRED LABOR | 120.29 | 128.25 |
| PURCHASED IRRIGATION WATER | 42.96 | 44.51 |
| TOTAL, VARIABLE EXPENSES | 495.96 | 514.32 |
| GENERAL FARM OVERHEAD | 34.02 | 35.71 |
| TAXES AND INSURANCE | 10.58 | 11.17 |
| INTEREST | N/A | N/A |
| TOTAL, FIXED EXPENSES | 44.60 | 46.88 |
| TOTAL, CASH EXPENSES | 540.56 | 561.20 |
| RECEIPTS LESS CASH EXPENSES | -39.71 | 187.76 |
| CAPITAL REPLACEMENT | 18.23 | 19.82 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -57.94 | 167.94 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 495.96 | 514.32 |
| GENERAL FARM OVERHEAD | 34.02 | 35.71 |
| TAXES AND INSURANCE | 10.58 | 11.17 |
| CAPITAL REPLACEMENT | 18.23 | 19.82 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL | 56.24 | 46.85 |
| OTHER NONLAND CAPITAL | 6.55 | 7.08 |
| LAND | 65.29 | 75.67 |
| UNPAID LABOR | 14.45 | 15.37 |
| RESIDUAL TO MANAGEMENT AND RISK | -200.47 | 22.97 |
| NET RETURNS TO OWNED INPUTS | -57.94 | 167.94 |
| PRICE (DOLLARS/TON) | 15.90 | 24.16 |
| YIELD (NET TONS/ACRE) | 31.50 | 31.00 |

1/ INCLUDES RETURNS FROM MOLASSES.

TABLE 77--U.S. FED CATTLE PRODUCTION COSTS, PER CWT, ALL SIZES
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FED BEEF (100 lbs) <u>1/</u> | 66.20 | 63.41 | 63.62 |
| TOTAL | 66.20 | 63.41 | 63.62 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER CATTLE (59.2 lbs) | 45.01 | 40.76 | 36.90 |
| FEED-- | | | |
| HAYLAGE (12.1 lbs) | .05 | .06 | .06 |
| SILAGE (109.3 lbs) | 1.06 | 1.35 | 1.12 |
| DRY GRAIN (224 lbs) | 11.13 | 12.24 | 9.99 |
| CONCENTRATES (22.1 lbs) | .78 | 1.03 | .76 |
| PROTEIN SUPPLEMENTS (37.3 lbs) | 3.80 | 4.09 | 3.94 |
| LEGUME HAY (42 lbs) | 1.03 | 1.27 | 1.24 |
| OTHER ROUGHAGES (6 lbs) | .22 | .32 | .32 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .81 | .87 | .93 |
| LIVESTOCK HAULING | .42 | .47 | .50 |
| MARKETING | .20 | .21 | .22 |
| BEDDING (5.1 lbs) | .04 | .06 | .05 |
| LEGAL AND ACCOUNTING FEES | .16 | .18 | .19 |
| FUEL, LUBE, AND ELECTRICITY | 1.22 | 1.47 | 1.53 |
| MACHINERY AND BUILDING REPAIRS | .53 | .57 | .59 |
| HIRED LABOR (.11 hr) | .56 | .60 | .62 |
| MISCELLANEOUS | .21 | .23 | .25 |
| MANURE CREDIT | - .10 | - .11 | - .11 |
| TOTAL, VARIABLE EXPENSES | 67.13 | 65.67 | 59.10 |
| GENERAL FARM OVERHEAD | .24 | .25 | .25 |
| TAXES AND INSURANCE | .17 | .17 | .19 |
| HIRED MANAGEMENT | .11 | .12 | .13 |
| INTEREST | 2.01 | 2.44 | 2.71 |
| TOTAL, FIXED EXPENSES | 2.53 | 2.98 | 3.28 |
| TOTAL, CASH EXPENSES | 69.66 | 68.65 | 62.38 |
| RECEIPTS LESS CASH EXPENSES | -3.46 | -5.24 | 1.24 |
| CAPITAL REPLACEMENT | 1.12 | 1.23 | 1.25 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -4.58 | -6.47 | - .01 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 67.13 | 65.67 | 59.10 |
| TAXES AND INSURANCE | .17 | .17 | .19 |
| GENERAL FARM OVERHEAD | .24 | .25 | .25 |
| CAPITAL REPLACEMENT | 1.12 | 1.23 | 1.25 |
| HIRED MANAGEMENT | .11 | .12 | .13 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.97 | 2.35 | 1.64 |
| OTHER NONLAND CAPITAL | .44 | .47 | .49 |
| LAND | .22 | .28 | .24 |
| UNPAID LABOR | .58 | .60 | .60 |
| RESIDUAL TO MANAGEMENT AND RISK | -5.78 | -7.73 | - .27 |
| NET RETURNS TO OWNED INPUTS | -2.57 | -4.03 | 2.70 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 78--FED CATTLE PRODUCTION COSTS, PER CWT, ALL SIZES,
FARMER FEEDLOTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FED BEEF (100 lbs) 1/ | 66.44 | 63.24 | 63.57 |
| TOTAL | 66.44 | 63.24 | 63.57 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER CATTLE (55 lbs) | 44.18 | 39.38 | 34.18 |
| FEED-- | | | |
| HAYLAGE (48 lbs) | .19 | .24 | .25 |
| SILAGE (314 lbs) | 2.62 | 3.41 | 2.91 |
| DRY GRAIN (170.9 lbs) | 8.02 | 8.79 | 7.14 |
| CONCENTRATES (87.4 lbs) | 2.83 | 3.86 | 3.00 |
| PROTEIN SUPPLEMENTS (23.6 lbs) | 2.85 | 3.06 | 2.94 |
| LEGUME HAY (54 lbs) | .44 | .66 | .58 |
| PASTURE (.002 acres) | .01 | .01 | .01 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .47 | .50 | .53 |
| LIVESTOCK HAULING | .56 | .64 | .68 |
| MARKETING | .30 | .31 | .33 |
| BEDDING (20 lbs) | .16 | .24 | .21 |
| FUEL, LUBE, AND ELECTRICITY | 1.19 | 1.40 | 1.39 |
| MACHINERY AND BUILDING REPAIRS | 1.25 | 1.38 | 1.47 |
| HIRED LABOR (.1 hr) | .46 | .49 | .51 |
| MANURE CREDIT | - .10 | - .11 | - .11 |
| TOTAL, VARIABLE EXPENSES | 65.43 | 64.26 | 56.02 |
| GENERAL FARM OVERHEAD | .87 | .95 | 1.00 |
| TAXES AND INSURANCE | .44 | .46 | .50 |
| INTEREST | 2.11 | 2.57 | 2.84 |
| TOTAL, FIXED EXPENSES | 3.42 | 3.98 | 4.34 |
| TOTAL, CASH EXPENSES | 68.85 | 68.24 | 60.36 |
| RECEIPTS LESS CASH EXPENSES | -2.41 | -5.00 | 3.21 |
| CAPITAL REPLACEMENT | 2.97 | 3.30 | 3.48 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -5.38 | -8.30 | - .27 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 65.43 | 64.26 | 56.02 |
| TAXES AND INSURANCE | .44 | .46 | .50 |
| GENERAL FARM OVERHEAD | .87 | .95 | 1.00 |
| CAPITAL REPLACEMENT | 2.97 | 3.30 | 3.48 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.51 | 2.99 | 2.10 |
| OTHER NONLAND CAPITAL | 1.17 | 1.29 | 1.36 |
| LAND | .77 | .82 | .76 |
| UNPAID LABOR | 2.09 | 2.26 | 2.37 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.81 | -13.09 | -4.02 |
| NET RETURNS TO OWNED INPUTS | -3.27 | -5.73 | 2.57 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 79--FED CATTLE PRODUCTION COSTS, PER CWT, ALL SIZES,
COMMERCIAL FEEDLOTS, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FED BEEF (100 lbs) <u>1/</u> | 66.11 | 63.47 | 63.64 |
| TOTAL | 66.11 | 63.47 | 63.64 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER CATTLE (60.6 lbs) | 45.32 | 41.26 | 37.82 |
| FEED-- | | | |
| SILAGE (40 lbs) | .46 | .60 | .51 |
| DRY GRAIN (242 lbs) | 12.32 | 13.49 | 10.96 |
| PROTEIN SUPPLEMENTS (42 lbs) | 4.16 | 4.47 | 4.28 |
| LEGUME HAY (38 lbs) | 1.25 | 1.49 | 1.46 |
| OTHER ROUGHAGES (8 lbs) | .30 | .43 | .43 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .94 | 1.01 | 1.06 |
| LIVESTOCK HAULING | .36 | .41 | .44 |
| MARKETING | .16 | .17 | .18 |
| LEGAL AND ACCOUNTING FEES | .22 | .24 | .25 |
| FUEL, LUBE, AND ELECTRICITY | 1.23 | 1.49 | 1.58 |
| MACHINERY AND BUILDING REPAIRS | .26 | .28 | .29 |
| HIRED LABOR (.12 hr) | .60 | .64 | .66 |
| MISCELLANEOUS | .29 | .32 | .34 |
| MANURE CREDIT | -.10 | -.11 | -.11 |
| TOTAL, VARIABLE EXPENSES | 67.77 | 66.19 | 60.15 |
| TAXES AND INSURANCE | .07 | .07 | .08 |
| HIRED MANAGEMENT | .15 | .16 | .17 |
| INTEREST | 1.98 | 2.40 | 2.66 |
| TOTAL, FIXED EXPENSES | 2.20 | 2.63 | 2.91 |
| TOTAL, CASH EXPENSES | 69.97 | 68.82 | 63.06 |
| RECEIPTS LESS CASH EXPENSES | -3.86 | -5.35 | .58 |
| CAPITAL REPLACEMENT | .42 | .47 | .50 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -4.28 | -5.82 | .08 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 67.77 | 66.19 | 60.15 |
| TAXES AND INSURANCE | .07 | .07 | .08 |
| CAPITAL REPLACEMENT | .42 | .47 | .50 |
| HIRED MANAGEMENT | .15 | .16 | .17 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.77 | 2.11 | 1.48 |
| OTHER NONLAND CAPITAL | .17 | .18 | .20 |
| LAND | .08 | .08 | .07 |
| RESIDUAL TO MANAGEMENT AND RISK | -4.32 | -5.79 | .99 |
| NET RETURNS TO OWNED INPUTS | -2.30 | -3.42 | 2.74 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 80--U.S. COW-CALF PRODUCTION COSTS, PER COW, ALL SIZES, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.139 cwt) <u>1/</u> | 90.02 | 74.86 | 74.22 |
| HEIFER CALVES (.802 cwt) | 53.27 | 44.02 | 44.25 |
| YEARLING STEERS (1.027 cwt) | 78.40 | 67.72 | 64.73 |
| YEARLING HEIFERS (.738 cwt) | 49.24 | 44.08 | 42.19 |
| CULL COWS (.819 cwt) | 35.98 | 29.96 | 30.10 |
| TOTAL | 306.91 | 260.64 | 255.49 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (1.968 cwt) | 10.12 | 9.42 | 8.31 |
| SILAGE (.269 tons) | 4.58 | 5.51 | 4.66 |
| PROTEIN SUPPLEMENTS (1.532 cwt) | 17.28 | 18.21 | 17.26 |
| SALT AND MINERALS (.325 cwt) | 2.13 | 2.41 | 2.40 |
| HAY (1.247 tons) | 32.03 | 40.23 | 39.75 |
| PASTURE (1.150 acres) | 15.61 | 17.17 | 16.48 |
| PASTURE (1.075 AUM) | 8.59 | 9.74 | 9.83 |
| PASTURE (1.531 AM) | 11.61 | 10.76 | 12.44 |
| PUBLIC GRAZING (.119 AUM) | .26 | .30 | .31 |
| PUBLIC GRAZING (.185 AM) | .42 | .46 | .44 |
| CROP RESIDUE (.344 AUM) | .07 | .07 | .07 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 5.05 | 5.52 | 5.91 |
| LIVESTOCK HAULING | 1.40 | 1.75 | 1.70 |
| MARKETING | 3.81 | 3.86 | 3.90 |
| CUSTOM FEED MIXING | .42 | .44 | .49 |
| FUEL, LUBE, AND ELECTRICITY | 19.23 | 21.72 | 21.27 |
| MACHINERY AND BUILDING REPAIRS | 17.60 | 19.31 | 20.44 |
| HIRED LABOR (3.292 hr) | 11.72 | 13.41 | 13.02 |
| TOTAL, VARIABLE EXPENSES | 161.93 | 180.29 | 178.68 |
| GENERAL FARM OVERHEAD | 14.62 | 15.94 | 16.80 |
| TAXES AND INSURANCE | 20.52 | 19.62 | 20.42 |
| INTEREST | 29.16 | 35.40 | 39.22 |
| TOTAL, FIXED EXPENSES | 64.30 | 70.96 | 76.44 |
| TOTAL, CASH EXPENSES | 226.23 | 251.25 | 255.12 |
| RECEIPTS LESS CASH EXPENSES | 80.68 | 9.39 | .37 |
| CAPITAL REPLACEMENT | 54.19 | 59.22 | 61.69 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 26.49 | -49.83 | -61.32 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 161.93 | 180.29 | 178.68 |
| TAXES AND INSURANCE | 20.52 | 19.62 | 20.42 |
| GENERAL FARM OVERHEAD | 14.62 | 15.94 | 16.80 |
| CAPITAL REPLACEMENT | 54.19 | 59.22 | 61.69 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 11.71 | 15.89 | 12.58 |
| OTHER NONLAND CAPITAL | 49.39 | 47.18 | 44.53 |
| LAND | 126.21 | 135.39 | 138.86 |
| UNPAID LABOR | 65.29 | 72.11 | 71.67 |
| RESIDUAL TO MANAGEMENT AND RISK | -196.95 | -285.00 | -289.74 |
| NET RETURNS TO OWNED INPUTS | 55.65 | -14.43 | -22.10 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 81--U.S. COW-CALF PRODUCTION COSTS, PER COW, FEWER THAN 100 COWS,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.250 cwt) <u>1/</u> | 98.13 | 81.47 | 81.16 |
| HEIFER CALVES (.851 cwt) | 55.98 | 46.13 | 46.35 |
| YEARLING STEERS (.856 cwt) | 66.24 | 57.57 | 53.62 |
| YEARLING HEIFERS (.695 cwt) | 47.06 | 42.14 | 39.11 |
| CULL COWS (.780 cwt) | 34.95 | 28.66 | 28.68 |
| TOTAL | 302.36 | 255.97 | 248.92 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (2.083 cwt) | 10.58 | 10.04 | 8.68 |
| SILAGE (.247 tons) | 4.12 | 5.11 | 4.25 |
| PROTEIN SUPPLEMENTS (1.373 cwt) | 15.42 | 16.41 | 15.35 |
| SALT AND MINERALS (.323 cwt) | 2.36 | 2.66 | 2.68 |
| HAY (1.388 tons) | 38.94 | 48.27 | 47.75 |
| PASTURE (1.417 acres) | 18.26 | 20.04 | 19.50 |
| PASTURE (.529 AUM) | 4.03 | 4.72 | 4.81 |
| PASTURE (1.114 AM) | 8.53 | 8.06 | 8.92 |
| PUBLIC GRAZING (.071 AM) | .16 | .18 | .19 |
| PUBLIC GRAZING (.038 AM) | .16 | .17 | .17 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 5.02 | 5.52 | 5.92 |
| LIVESTOCK HAULING | 1.10 | 1.24 | 1.40 |
| MARKETING | 4.10 | 4.16 | 4.35 |
| CUSTOM FEED MIXING | .49 | .53 | .57 |
| FUEL, LUBE, AND ELECTRICITY | 23.48 | 26.61 | 26.11 |
| MACHINERY AND BUILDING REPAIRS | 21.35 | 23.52 | 24.88 |
| HIRED LABOR (1.703 hr) | 5.86 | 6.53 | 6.50 |
| TOTAL, VARIABLE EXPENSES | 163.96 | 183.77 | 182.03 |
| GENERAL FARM OVERHEAD | 17.69 | 19.37 | 20.40 |
| TAXES AND INSURANCE | 21.81 | 21.33 | 22.41 |
| INTEREST | 28.72 | 34.87 | 38.64 |
| TOTAL, FIXED EXPENSES | 68.22 | 75.57 | 81.45 |
| TOTAL, CASH EXPENSES | 232.18 | 259.34 | 263.48 |
| RECEIPTS LESS CASH EXPENSES | 70.18 | -3.37 | -14.56 |
| CAPITAL REPLACEMENT | 63.87 | 70.15 | 73.08 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 6.31 | -73.52 | -87.64 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 163.96 | 183.77 | 182.03 |
| TAXES AND INSURANCE | 21.81 | 21.33 | 22.41 |
| GENERAL FARM OVERHEAD | 17.69 | 19.37 | 20.40 |
| CAPITAL REPLACEMENT | 63.87 | 70.15 | 73.08 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 13.14 | 17.94 | 14.15 |
| OTHER NONLAND CAPITAL | 53.87 | 52.08 | 49.53 |
| LAND | 130.59 | 139.47 | 141.24 |
| UNPAID LABOR | 87.64 | 97.71 | 96.24 |
| RESIDUAL TO MANAGEMENT AND RISK | -250.21 | -345.85 | -350.16 |
| NET RETURNS TO OWNED INPUTS | 35.03 | -38.65 | -49.00 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 82--U.S. COW-CALF PRODUCTION COSTS, PER COW, 100-499 COWS,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| DOLLARS | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.093 cwt) ^{1/} | 87.46 | 72.97 | 71.78 |
| HEIFER CALVES (.802 cwt) | 54.30 | 45.09 | 45.37 |
| YEARLING STEERS (1.148 cwt) | 87.82 | 74.95 | 72.70 |
| YEARLING HEIFERS (.760 cwt) | 50.39 | 45.10 | 44.11 |
| CULL COWS (.862 cwt) | 37.01 | 31.32 | 31.66 |
| TOTAL | 316.98 | 269.43 | 265.62 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (2.326 cwt) | 11.99 | 10.67 | 9.89 |
| SILAGE (.383 tons) | 6.63 | 7.80 | 6.66 |
| PROTEIN SUPPLEMENTS (1.795 cwt) | 20.50 | 21.21 | 20.54 |
| SALT AND MINERALS (.336 cwt) | 1.91 | 2.17 | 2.13 |
| HAY (1.238 tons) | 26.12 | 34.53 | 33.87 |
| PASTURE (.787 acres) | 11.42 | 12.49 | 11.90 |
| PASTURE (1.408 AUM) | 11.40 | 12.74 | 12.88 |
| PASTURE (2.064 AM) | 16.30 | 14.67 | 17.16 |
| PUBLIC GRAZING (.114 AUM) | .25 | .29 | .29 |
| PUBLIC GRAZING (.382 AM) | .83 | .91 | .88 |
| CROP RESIDUE (.417 AUM) | .22 | .22 | .22 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 5.36 | 5.81 | 6.23 |
| LIVESTOCK HAULING | 1.58 | 2.31 | 1.78 |
| MARKETING | 3.94 | 3.96 | 3.66 |
| CUSTOM FEED MIXING | .46 | .49 | .56 |
| FUEL, LUBE, AND ELECTRICITY | 16.07 | 18.12 | 17.67 |
| MACHINERY AND BUILDING REPAIRS | 13.68 | 15.11 | 16.03 |
| HIRED LABOR (4.351 hr) | 15.57 | 18.73 | 17.14 |
| TOTAL, VARIABLE EXPENSES | 164.23 | 182.23 | 179.49 |
| GENERAL FARM OVERHEAD | 12.86 | 14.05 | 14.83 |
| TAXES AND INSURANCE | 18.62 | 17.52 | 17.99 |
| INTEREST | 30.11 | 36.56 | 40.50 |
| TOTAL, FIXED EXPENSES | 61.59 | 68.13 | 73.32 |
| TOTAL, CASH EXPENSES | 225.82 | 250.36 | 252.81 |
| RECEIPTS LESS CASH EXPENSES | 91.16 | 19.07 | 12.81 |
| CAPITAL REPLACEMENT | 44.14 | 48.45 | 50.64 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 47.02 | -29.38 | -37.83 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 164.23 | 182.23 | 179.49 |
| TAXES AND INSURANCE | 18.62 | 17.52 | 17.99 |
| GENERAL FARM OVERHEAD | 12.86 | 14.05 | 14.83 |
| CAPITAL REPLACEMENT | 44.14 | 48.45 | 50.64 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 10.85 | 14.63 | 11.64 |
| OTHER NONLAND CAPITAL | 44.95 | 42.50 | 39.81 |
| LAND | 112.34 | 121.23 | 124.95 |
| UNPAID LABOR | 47.74 | 52.44 | 53.38 |
| RESIDUAL TO MANAGEMENT AND RISK | -138.75 | -223.62 | -227.11 |
| NET RETURNS TO OWNED INPUTS | 77.13 | 7.18 | 2.67 |

^{1/} QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 83--U.S. COW-CALF PRODUCTION COSTS, PER COW, MORE THAN 500 COWS,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (.798 cwt) <u>1/</u> | 62.11 | 52.43 | 51.65 |
| HEIFER CALVES (.598 cwt) | 39.64 | 33.10 | 33.15 |
| YEARLING STEERS (1.444 cwt) | 107.32 | 92.17 | 91.49 |
| YEARLING HEIFERS (.861 cwt) | 55.68 | 49.64 | 50.26 |
| CULL COWS (.877 cwt) | 37.84 | 32.12 | 32.27 |
| TOTAL | 302.59 | 259.46 | 258.82 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (.683 cwt) | 3.87 | 4.08 | 3.18 |
| SILAGE (.096 tons) | 1.77 | 1.93 | 1.76 |
| PROTEIN SUPPLEMENTS (1.579 cwt) | 17.58 | 18.65 | 17.44 |
| SALT AND MINERALS (.305 cwt) | 1.67 | 1.94 | 1.92 |
| HAY (.696 tons) | 16.92 | 20.84 | 20.82 |
| PASTURE (.900 acres) | 14.25 | 16.23 | 14.73 |
| PASTURE (2.523 AUM) | 21.09 | 23.16 | 23.15 |
| PASTURE (2.003 AM) | 13.64 | 12.72 | 15.92 |
| PUBLIC GRAZING (.326 AUM) | .67 | .81 | .81 |
| PUBLIC GRAZING (.328 AM) | .58 | .57 | .51 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 4.45 | 4.87 | 5.15 |
| LIVESTOCK HAULING | 2.26 | 2.56 | 2.70 |
| MARKETING | 2.31 | 2.45 | 2.60 |
| CUSTOM FEED MIXING | .02 | .02 | .02 |
| FUEL, LUBE, AND ELECTRICITY | 8.76 | 10.17 | 9.89 |
| MACHINERY AND BUILDING REPAIRS | 11.00 | 11.89 | 12.51 |
| HIRED LABOR (7.304 hr) | 27.24 | 29.10 | 29.99 |
| TOTAL, VARIABLE EXPENSES | 148.08 | 161.99 | 163.10 |
| GENERAL FARM OVERHEAD | 5.87 | 6.42 | 6.75 |
| TAXES AND INSURANCE | 19.42 | 17.64 | 17.87 |
| INTEREST | 28.75 | 34.90 | 38.67 |
| TOTAL, FIXED EXPENSES | 54.04 | 58.96 | 63.29 |
| TOTAL, CASH EXPENSES | 202.12 | 220.95 | 226.39 |
| RECEIPTS LESS CASH EXPENSES | 100.47 | 38.51 | 32.43 |
| CAPITAL REPLACEMENT | 36.83 | 39.60 | 40.79 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 63.64 | -1.09 | -8.36 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 148.08 | 161.99 | 163.10 |
| TAXES AND INSURANCE | 19.42 | 17.64 | 17.87 |
| GENERAL FARM OVERHEAD | 5.87 | 6.42 | 6.75 |
| CAPITAL REPLACEMENT | 36.83 | 39.60 | 40.79 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 7.78 | 10.51 | 8.39 |
| OTHER NONLAND CAPITAL | 41.08 | 38.06 | 35.11 |
| LAND | 139.95 | 152.69 | 161.21 |
| UNPAID LABOR | 12.65 | 13.58 | 14.01 |
| RESIDUAL TO MANAGEMENT AND RISK | -109.07 | -181.03 | -188.41 |
| NET RETURNS TO OWNED INPUTS | 92.39 | 33.81 | 30.31 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 84--COW-CALF PRODUCTION COSTS, PER COW, ALL SIZES, GREAT PLAINS,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.045 cwt) <u>1/</u> | 82.72 | 70.94 | 69.90 |
| HEIFER CALVES (.820 cwt) | 54.88 | 46.75 | 47.30 |
| YEARLING STEERS (1.213 cwt) | 96.07 | 80.59 | 78.29 |
| YEARLING HEIFERS (.843 cwt) | 56.07 | 50.69 | 50.44 |
| CULL COWS (.622 cwt) | 26.13 | 22.09 | 22.50 |
| TOTAL | 315.87 | 271.06 | 268.43 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (1.816 cwt) | 7.17 | 7.56 | 6.95 |
| SILAGE (.373 tons) | 5.97 | 7.08 | 5.97 |
| PROTEIN SUPPLEMENTS (2.300 cwt) | 24.80 | 26.77 | 24.83 |
| SALT AND MINERALS (.337 cwt) | 1.44 | 1.72 | 1.44 |
| HAY (1.078 tons) | 23.06 | 32.55 | 32.29 |
| PASTURE (4.172 AM) | 32.62 | 29.60 | 33.90 |
| PUBLIC GRAZING (.342 AM) | .81 | .88 | .89 |
| CROP RESIDUE (.528 AUM) | .19 | .19 | .19 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 4.97 | 5.43 | 5.85 |
| LIVESTOCK HAULING | 1.34 | 1.97 | 1.55 |
| MARKETING | 4.27 | 4.62 | 4.54 |
| CUSTOM FEED MIXING | .53 | .56 | .64 |
| FUEL, LUBE, AND ELECTRICITY | 20.06 | 22.61 | 22.18 |
| MACHINERY AND BUILDING REPAIRS | 14.60 | 16.28 | 17.47 |
| HIRED LABOR (3.063 hr) | 10.37 | 12.59 | 11.52 |
| TOTAL, VARIABLE EXPENSES | 152.20 | 170.41 | 170.21 |
| GENERAL FARM OVERHEAD | 14.49 | 15.88 | 16.73 |
| TAXES AND INSURANCE | 17.43 | 16.81 | 17.13 |
| INTEREST | 31.59 | 38.35 | 42.49 |
| TOTAL, FIXED EXPENSES | 63.51 | 71.04 | 76.35 |
| TOTAL, CASH EXPENSES | 215.71 | 241.45 | 246.56 |
| RECEIPTS LESS CASH EXPENSES | 100.16 | 29.61 | 21.87 |
| CAPITAL REPLACEMENT | 48.47 | 53.67 | 55.64 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 51.69 | -24.06 | -33.77 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 152.20 | 170.41 | 170.21 |
| TAXES AND INSURANCE | 17.43 | 16.81 | 17.13 |
| GENERAL FARM OVERHEAD | 14.49 | 15.88 | 16.73 |
| CAPITAL REPLACEMENT | 48.47 | 53.67 | 55.64 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 8.57 | 11.86 | 9.46 |
| OTHER NONLAND CAPITAL | 45.90 | 44.00 | 41.51 |
| LAND | 113.24 | 122.49 | 133.07 |
| UNPAID LABOR | 57.93 | 62.82 | 65.08 |
| RESIDUAL TO MANAGEMENT AND RISK | -142.36 | -226.88 | -240.40 |
| NET RETURNS TO OWNED INPUTS | 83.28 | 14.29 | 8.72 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 85--COW-CALF PRODUCTION COSTS, PER COW, ALL SIZES, NORTH CENTRAL,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.214 cwt) <u>1/</u> | 96.67 | 79.36 | 79.81 |
| HEIFER CALVES (.741 cwt) | 50.67 | 40.53 | 40.42 |
| YEARLING STEERS (.952 cwt) | 79.07 | 69.02 | 58.19 |
| YEARLING HEIFERS (.807 cwt) | 59.73 | 51.91 | 43.41 |
| CULL COWS (.995 cwt) | 43.66 | 34.80 | 35.14 |
| TOTAL | 329.80 | 275.62 | 256.97 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (2.400 cwt) | 12.27 | 11.89 | 9.50 |
| SILAGE (.440 tons) | 7.48 | 9.83 | 8.05 |
| PROTEIN SUPPLEMENTS (1.024 cwt) | 12.53 | 12.76 | 12.18 |
| SALT AND MINERALS (.320 cwt) | 3.20 | 3.60 | 3.81 |
| HAY (1.456 tons) | 41.16 | 47.00 | 46.02 |
| PASTURE (2.679 acres) | 14.90 | 16.39 | 15.93 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 5.04 | 5.50 | 5.76 |
| LIVESTOCK HAULING | 1.54 | 1.76 | 1.88 |
| MARKETING | 3.10 | 2.71 | 2.57 |
| CUSTOM FEED MIXING | .10 | .11 | .11 |
| FUEL, LUBE, AND ELECTRICITY | 18.05 | 20.48 | 20.66 |
| MACHINERY AND BUILDING REPAIRS | 20.55 | 22.20 | 23.33 |
| HIRED LABOR (.827 hr) | 3.19 | 3.58 | 3.26 |
| TOTAL, VARIABLE EXPENSES | 143.11 | 157.81 | 153.06 |
| GENERAL FARM OVERHEAD | 17.09 | 18.72 | 19.74 |
| TAXES AND INSURANCE | 35.41 | 35.50 | 37.81 |
| INTEREST | 30.34 | 36.83 | 40.81 |
| TOTAL, FIXED EXPENSES | 82.84 | 91.05 | 98.36 |
| TOTAL, CASH EXPENSES | 225.95 | 248.86 | 251.42 |
| RECEIPTS LESS CASH EXPENSES | 103.85 | 26.76 | 5.55 |
| CAPITAL REPLACEMENT | 61.91 | 67.18 | 70.15 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 41.94 | -40.42 | -64.60 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 143.11 | 157.81 | 153.06 |
| TAXES AND INSURANCE | 35.41 | 35.50 | 37.81 |
| GENERAL FARM OVERHEAD | 17.09 | 18.72 | 19.74 |
| CAPITAL REPLACEMENT | 61.91 | 67.18 | 70.15 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 12.06 | 16.28 | 12.49 |
| OTHER NONLAND CAPITAL | 54.91 | 52.96 | 50.34 |
| LAND | 185.92 | 195.00 | 189.29 |
| UNPAID LABOR | 87.60 | 99.13 | 92.56 |
| RESIDUAL TO MANAGEMENT AND RISK | -268.21 | -366.96 | -368.47 |
| NET RETURNS TO OWNED INPUTS | 72.28 | -3.59 | -23.79 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 86--COW-CALF PRODUCTION COSTS, PER COW, ALL SIZES, SOUTH, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.338 cwt) ^{1/} | 103.21 | 84.81 | 82.30 |
| HEIFER CALVES (.909 cwt) | 57.11 | 46.77 | 45.27 |
| YEARLING STEERS (.516 cwt) | 35.75 | 31.88 | 30.99 |
| YEARLING HEIFERS (.375 cwt) | 23.25 | 20.80 | 19.31 |
| CULL COWS (.896 cwt) | 42.27 | 35.68 | 34.65 |
| TOTAL | 261.59 | 219.94 | 212.52 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (2.087 cwt) | 11.77 | 11.84 | 9.72 |
| SILAGE (.151 tons) | 2.89 | 3.41 | 2.91 |
| PROTEIN SUPPLEMENTS (1.222 cwt) | 13.98 | 14.96 | 13.90 |
| SALT AND MINERALS (.278 cwt) | 2.82 | 3.17 | 3.36 |
| HAY (1.246 tons) | 39.33 | 49.72 | 50.12 |
| PASTURE (2.842 acres) | 50.68 | 57.10 | 55.60 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 4.98 | 5.39 | 5.65 |
| LIVESTOCK HAULING | .74 | .85 | .91 |
| MARKETING | 4.41 | 4.15 | 4.16 |
| CUSTOM FEED MIXING | .86 | .92 | .98 |
| FUEL, LUBE, AND ELECTRICITY | 21.79 | 24.70 | 23.94 |
| MACHINERY AND BUILDING REPAIRS | 21.84 | 23.98 | 25.35 |
| HIRED LABOR (3.817 hr) | 13.34 | 15.23 | 14.52 |
| TOTAL, VARIABLE EXPENSES | 189.43 | 215.42 | 211.12 |
| GENERAL FARM OVERHEAD | 14.80 | 16.09 | 16.99 |
| TAXES AND INSURANCE | 16.95 | 16.81 | 18.40 |
| INTEREST | 17.79 | 21.59 | 23.93 |
| TOTAL, FIXED EXPENSES | 49.54 | 54.49 | 59.32 |
| TOTAL, CASH EXPENSES | 238.97 | 269.91 | 270.44 |
| RECEIPTS LESS CASH EXPENSES | 22.62 | -49.97 | -57.92 |
| CAPITAL REPLACEMENT | 64.24 | 71.14 | 74.94 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -41.62 | -121.11 | -132.86 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 189.43 | 215.42 | 211.12 |
| TAXES AND INSURANCE | 16.95 | 16.81 | 18.40 |
| GENERAL FARM OVERHEAD | 14.80 | 16.09 | 16.99 |
| CAPITAL REPLACEMENT | 64.24 | 71.14 | 74.94 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 14.88 | 20.72 | 16.21 |
| OTHER NONLAND CAPITAL | 55.21 | 53.10 | 50.39 |
| LAND | 143.85 | 159.29 | 160.44 |
| UNPAID LABOR | 60.00 | 68.76 | 66.46 |
| RESIDUAL TO MANAGEMENT AND RISK | -297.77 | -401.39 | -402.43 |
| NET RETURNS TO OWNED INPUTS | -23.83 | -99.52 | -108.93 |

^{1/} QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 87--COW-CALF PRODUCTION COSTS, PER COW, ALL SIZES, WEST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|---------|---------|---------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| STEER CALVES (1.018 cwt) <u>1/</u> | 81.07 | 66.55 | 68.11 |
| HEIFER CALVES (.701 cwt) | 48.37 | 39.22 | 41.03 |
| YEARLING STEERS (1.340 cwt) | 98.01 | 85.26 | 84.41 |
| YEARLING HEIFERS (.908 cwt) | 59.08 | 52.72 | 52.61 |
| CULL COWS (.924 cwt) | 38.46 | 32.79 | 33.85 |
| TOTAL | 324.99 | 276.54 | 280.01 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (1.753 cwt) | 11.27 | 7.82 | 8.08 |
| SILAGE (.090 ton) | 1.70 | 1.70 | 1.70 |
| PROTEIN SUPPLEMENTS (1.020 cwt) | 12.66 | 11.94 | 12.26 |
| SALT AND MINERALS (.360 cwt) | 1.56 | 1.73 | 1.85 |
| HAY (1.366 tons) | 30.49 | 36.78 | 35.78 |
| PASTURE (4.922 AUM) | 40.48 | 45.05 | 45.00 |
| PUBLIC GRAZING (.546 AUM) | 1.21 | 1.39 | 1.41 |
| PUBLIC GRAZING (.271 AM) | .64 | .63 | .50 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 5.27 | 5.82 | 6.44 |
| LIVESTOCK HAULING | 2.15 | 2.41 | 2.68 |
| MARKETING | 2.92 | 3.22 | 3.59 |
| FUEL, LUBE, AND ELECTRICITY | 15.84 | 17.91 | 17.28 |
| MACHINERY AND BUILDING REPAIRS | 15.12 | 16.79 | 17.70 |
| HIRED LABOR (5.050 hr) | 19.48 | 20.82 | 21.63 |
| TOTAL, VARIABLE EXPENSES | 160.79 | 174.01 | 175.90 |
| GENERAL FARM OVERHEAD | 12.45 | 13.60 | 14.38 |
| TAXES AND INSURANCE | 17.05 | 14.62 | 14.49 |
| INTEREST | 44.85 | 54.45 | 60.33 |
| TOTAL, FIXED EXPENSES | 74.35 | 82.67 | 89.20 |
| TOTAL, CASH EXPENSES | 235.14 | 256.68 | 265.10 |
| RECEIPTS LESS CASH EXPENSES | 89.85 | 19.86 | 14.91 |
| CAPITAL REPLACEMENT | 44.92 | 48.18 | 50.00 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 44.93 | -28.32 | -35.09 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 160.79 | 174.01 | 175.90 |
| TAXES AND INSURANCE | 17.05 | 14.62 | 14.49 |
| GENERAL FARM OVERHEAD | 12.45 | 13.60 | 14.38 |
| CAPITAL REPLACEMENT | 44.92 | 48.18 | 50.00 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 12.98 | 16.95 | 13.89 |
| OTHER NONLAND CAPITAL | 44.05 | 41.45 | 38.86 |
| LAND | 75.54 | 82.21 | 84.77 |
| UNPAID LABOR | 64.48 | 69.32 | 71.92 |
| RESIDUAL TO MANAGEMENT AND RISK | -107.27 | -183.80 | -184.20 |
| NET RETURNS TO OWNED INPUTS | 89.78 | 26.13 | 25.24 |

1/ QUANTITIES PER COW, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 88--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, ALL SIZES,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (80.6 lbs) <u>1/</u> | 51.28 | 60.87 | 85.67 |
| CULL SOWS (19.4 lbs) | 6.85 | 7.62 | 9.56 |
| TOTAL | 58.13 | 68.49 | 95.23 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (439.8 lbs) | 21.54 | 23.20 | 18.73 |
| PROTEIN SUPPLEMENTS (118.6 lbs) | 17.86 | 18.77 | 17.59 |
| PASTURE (.054 acre) | .22 | .22 | .22 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 1.62 | 1.72 | 1.77 |
| LIVESTOCK HAULING | .16 | .18 | .19 |
| MARKETING | 1.35 | 1.49 | 1.59 |
| BEDDING (38 lbs) | .30 | .46 | .38 |
| CUSTOM FEED MIXING | 1.40 | 1.46 | 1.46 |
| FUEL, LUBE, AND ELECTRICITY | 6.61 | 7.68 | 7.73 |
| MACHINERY AND BUILDING REPAIRS | 4.31 | 4.72 | 4.93 |
| HIRED LABOR (.32 hr) | 1.66 | 1.87 | 2.13 |
| MANURE CREDIT | - .14 | - .15 | - .15 |
| TOTAL, VARIABLE EXPENSES | 56.89 | 61.62 | 56.57 |
| GENERAL FARM OVERHEAD | 2.06 | 2.23 | 2.31 |
| TAXES AND INSURANCE | 1.63 | 1.77 | 1.90 |
| INTEREST | 7.44 | 9.03 | 10.00 |
| TOTAL, FIXED EXPENSES | 11.13 | 13.03 | 14.21 |
| TOTAL, CASH EXPENSES | 68.02 | 74.65 | 70.78 |
| RECEIPTS LESS CASH EXPENSES | -9.89 | -6.16 | 24.45 |
| CAPITAL REPLACEMENT | 10.77 | 11.82 | 12.36 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -20.66 | -17.98 | 12.09 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 56.89 | 61.62 | 56.57 |
| TAXES AND INSURANCE | 1.63 | 1.77 | 1.90 |
| GENERAL FARM OVERHEAD | 2.06 | 2.23 | 2.31 |
| CAPITAL REPLACEMENT | 10.77 | 11.82 | 12.36 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.09 | 2.76 | 2.10 |
| OTHER NONLAND CAPITAL | 4.95 | 5.42 | 5.66 |
| LAND | 2.29 | 2.45 | 2.19 |
| UNPAID LABOR | 16.89 | 18.37 | 19.29 |
| RESIDUAL TO MANAGEMENT AND RISK | -39.44 | -37.95 | -7.15 |
| NET RETURNS TO OWNED INPUTS | -13.22 | -8.95 | 22.09 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 89--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 140 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (79.74 lbs) <u>1/</u> | 48.39 | 59.60 | 84.80 |
| CULL SOWS (20.26 lbs) | 7.12 | 7.93 | 9.97 |
| TOTAL | 55.51 | 67.53 | 94.77 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (473.6 lbs) | 23.34 | 25.14 | 20.38 |
| PROTEIN SUPPLEMENTS (121 lbs) | 18.14 | 19.29 | 17.80 |
| PASTURE (.028 acre) | .51 | .56 | .57 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 2.43 | 2.61 | 2.73 |
| MARKETING | 1.23 | 1.36 | 1.48 |
| BEDDING (32 lbs) | .24 | .37 | .32 |
| CUSTOM FEED MIXING | 4.47 | 4.90 | 5.17 |
| FUEL, LUBE, AND ELECTRICITY | 7.24 | 8.53 | 8.52 |
| MACHINERY AND BUILDING REPAIRS | 4.81 | 5.30 | 5.69 |
| HIRED LABOR (.11 hr) | .35 | .37 | .40 |
| TOTAL, VARIABLE EXPENSES | 62.76 | 68.43 | 63.06 |
| GENERAL FARM OVERHEAD | 2.65 | 2.91 | 3.06 |
| TAXES AND INSURANCE | 1.56 | 1.70 | 1.84 |
| INTEREST | 7.11 | 8.63 | 9.56 |
| TOTAL, FIXED EXPENSES | 11.32 | 13.24 | 14.46 |
| TOTAL, CASH EXPENSES | 74.08 | 81.67 | 77.52 |
| RECEIPTS LESS CASH EXPENSES | -18.57 | -14.14 | 17.25 |
| CAPITAL REPLACEMENT | 11.35 | 12.48 | 13.36 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -29.92 | -26.62 | 3.89 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 62.76 | 68.43 | 63.06 |
| TAXES AND INSURANCE | 1.56 | 1.70 | 1.84 |
| GENERAL FARM OVERHEAD | 2.65 | 2.91 | 3.06 |
| CAPITAL REPLACEMENT | 11.35 | 12.48 | 13.36 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.55 | 3.38 | 2.63 |
| OTHER NONLAND CAPITAL | 5.11 | 5.61 | 5.99 |
| LAND | 1.62 | 1.77 | 1.67 |
| UNPAID LABOR | 27.13 | 29.75 | 31.95 |
| RESIDUAL TO MANAGEMENT AND RISK | -59.22 | -58.50 | -28.79 |
| NET RETURNS TO OWNED INPUTS | -22.81 | -17.99 | 13.45 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 90--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 300 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|--------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (79.39 lbs) <u>1/</u> | 51.99 | 60.00 | 84.13 |
| CULL SOWS (20.61 lbs) | 7.25 | 8.08 | 10.16 |
| TOTAL | 59.24 | 68.08 | 94.29 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (471.9 lbs) | 22.83 | 24.69 | 20.01 |
| PROTEIN SUPPLEMENTS (120.1 lbs) | 18.04 | 19.12 | 17.71 |
| PASTURE (.171 acre) | .34 | .36 | .37 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 2.93 | 3.16 | 3.30 |
| LIVESTOCK HAULING | .30 | .34 | .36 |
| MARKETING | 1.36 | 1.50 | 1.64 |
| BEDDING (76 lbs) | .56 | .87 | .74 |
| CUSTOM FEED MIXING | 2.10 | 2.30 | 2.42 |
| FUEL, LUBE, AND ELECTRICITY | 9.49 | 11.10 | 11.29 |
| MACHINERY AND BUILDING REPAIRS | 5.00 | 5.53 | 5.80 |
| HIRED LABOR (.1 hr) | .34 | .36 | .38 |
| MANURE CREDIT | - .17 | - .18 | - .18 |
| TOTAL, VARIABLE EXPENSES | 63.12 | 69.15 | 63.84 |
| | | | |
| GENERAL FARM OVERHEAD | 2.41 | 2.64 | 2.79 |
| TAXES AND INSURANCE | 2.23 | 2.44 | 2.66 |
| INTEREST | 7.58 | 9.21 | 10.20 |
| TOTAL, FIXED EXPENSES | 12.22 | 14.29 | 15.65 |
| | | | |
| TOTAL, CASH EXPENSES | 75.34 | 83.44 | 79.49 |
| | | | |
| RECEIPTS LESS CASH EXPENSES | -16.10 | -15.36 | 14.80 |
| CAPITAL REPLACEMENT | 12.31 | 13.61 | 14.26 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -28.41 | -28.97 | .54 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 63.12 | 69.15 | 63.84 |
| TAXES AND INSURANCE | 2.23 | 2.44 | 2.66 |
| GENERAL FARM OVERHEAD | 2.41 | 2.64 | 2.79 |
| CAPITAL REPLACEMENT | 12.31 | 13.61 | 14.26 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.37 | 3.16 | 2.44 |
| OTHER NONLAND CAPITAL | 5.76 | 6.36 | 6.64 |
| LAND | 6.49 | 7.08 | 6.56 |
| UNPAID LABOR | 20.44 | 22.64 | 24.35 |
| RESIDUAL TO MANAGEMENT AND RISK | -55.89 | -59.00 | -29.25 |
| NET RETURNS TO OWNED INPUTS | -20.83 | -19.76 | 10.74 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 91--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 650 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (80.43 lbs) <u>1/</u> | 52.05 | 61.40 | 85.55 |
| CULL SOWS (19.57 lbs) | 6.88 | 7.67 | 9.65 |
| TOTAL | 58.93 | 69.07 | 95.20 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (439.5 lbs) | 21.18 | 22.93 | 18.58 |
| PROTEIN SUPPLEMENTS (122.7 lbs) | 18.77 | 19.66 | 18.64 |
| PASTURE (.04 acre) | .16 | .17 | .18 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .34 | .37 | .38 |
| LIVESTOCK HAULING | .19 | .21 | .22 |
| MARKETING | 2.34 | 2.59 | 2.83 |
| BEDDING (42 lbs) | .32 | .50 | .43 |
| FUEL, LUBE, AND ELECTRICITY | 5.31 | 6.18 | 6.28 |
| MACHINERY AND BUILDING REPAIRS | 4.23 | 4.57 | 4.80 |
| HIRED LABOR (.2 hr) | .73 | .81 | .86 |
| MANURE CREDIT | - .18 | - .19 | - .19 |
| TOTAL, VARIABLE EXPENSES | 53.39 | 57.80 | 53.01 |
| GENERAL FARM OVERHEAD | 2.23 | 2.45 | 2.58 |
| TAXES AND INSURANCE | 1.46 | 1.58 | 1.69 |
| INTEREST | 7.54 | 9.16 | 10.15 |
| TOTAL, FIXED EXPENSES | 11.23 | 13.19 | 14.42 |
| TOTAL, CASH EXPENSES | 64.62 | 70.99 | 67.43 |
| RECEIPTS LESS CASH EXPENSES | -5.69 | -1.92 | 27.77 |
| CAPITAL REPLACEMENT | 10.05 | 10.84 | 11.35 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -15.74 | -12.76 | 16.42 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 53.39 | 57.80 | 53.01 |
| TAXES AND INSURANCE | 1.46 | 1.58 | 1.69 |
| GENERAL FARM OVERHEAD | 2.23 | 2.45 | 2.58 |
| CAPITAL REPLACEMENT | 10.05 | 10.84 | 11.35 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.97 | 2.61 | 2.00 |
| OTHER NONLAND CAPITAL | 4.66 | 5.02 | 5.25 |
| LAND | 1.61 | 1.75 | 1.63 |
| UNPAID LABOR | 16.08 | 17.86 | 19.20 |
| RESIDUAL TO MANAGEMENT AND RISK | -32.52 | -30.84 | -1.51 |
| NET RETURNS TO OWNED INPUTS | -8.20 | -3.60 | 26.57 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 92--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 1,600 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (80.5 lbs) <u>1/</u> | 51.78 | 61.26 | 85.63 |
| CULL SOWS (19.5 lbs) | 6.86 | 7.64 | 9.61 |
| TOTAL | 58.64 | 68.90 | 95.24 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (434.2 lbs) | 21.00 | 22.71 | 18.40 |
| PROTEIN SUPPLEMENTS (121.2 lbs) | 18.54 | 19.44 | 18.48 |
| PASTURE (.013 acre) | .06 | .07 | .07 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 1.20 | 1.29 | 1.35 |
| LIVESTOCK HAULING | .15 | .17 | .18 |
| MARKETING | 1.03 | 1.14 | 1.24 |
| BEDDING (16 lbs) | .13 | .20 | .17 |
| FUEL, LUBE, AND ELECTRICITY | 6.48 | 7.54 | 7.68 |
| MACHINERY AND BUILDING REPAIRS | 4.50 | 4.98 | 5.23 |
| HIRED LABOR (.18 hr) | .84 | .89 | .96 |
| MANURE CREDIT | - .17 | - .18 | - .18 |
| TOTAL, VARIABLE EXPENSES | 53.76 | 58.25 | 53.58 |
| GENERAL FARM OVERHEAD | 1.82 | 1.99 | 2.10 |
| TAXES AND INSURANCE | 1.61 | 1.80 | 1.93 |
| INTEREST | 7.51 | 9.11 | 10.10 |
| TOTAL, FIXED EXPENSES | 10.94 | 12.90 | 14.13 |
| TOTAL, CASH EXPENSES | 64.70 | 71.15 | 67.71 |
| RECEIPTS LESS CASH EXPENSES | -6.06 | -2.25 | 27.53 |
| CAPITAL REPLACEMENT | 11.32 | 12.54 | 13.13 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -17.38 | -14.79 | 14.40 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 53.76 | 58.25 | 53.58 |
| TAXES AND INSURANCE | 1.61 | 1.80 | 1.93 |
| GENERAL FARM OVERHEAD | 1.82 | 1.99 | 2.10 |
| CAPITAL REPLACEMENT | 11.32 | 12.54 | 13.13 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.96 | 2.59 | 1.99 |
| OTHER NONLAND CAPITAL | 5.22 | 5.76 | 6.02 |
| LAND | .53 | .58 | .54 |
| UNPAID LABOR | 15.17 | 16.83 | 18.12 |
| RESIDUAL TO MANAGEMENT AND RISK | -32.75 | -31.44 | -2.17 |
| NET RETURNS TO OWNED INPUTS | -9.87 | -5.68 | 24.50 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 93--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 3,000 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (81.84 lbs) ^{1/} | 51.56 | 61.61 | 87.08 |
| CULL SOWS (18.16 lbs) | 6.38 | 7.11 | 8.94 |
| TOTAL | 57.94 | 68.72 | 96.02 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (409.9 lbs) | 20.09 | 21.66 | 17.56 |
| PROTEIN SUPPLEMENTS (114.4 lbs) | 16.93 | 17.84 | 16.92 |
| PASTURE (.007 acre) | .05 | .05 | .06 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .79 | .85 | .89 |
| LIVESTOCK HAULING | .08 | .10 | .10 |
| MARKETING | .95 | 1.05 | 1.15 |
| BEDDING (36 lbs) | .29 | .44 | .39 |
| FUEL, LUBE, AND ELECTRICITY | 4.55 | 5.29 | 5.42 |
| MACHINERY AND BUILDING REPAIRS | 3.48 | 3.85 | 4.02 |
| HIRED LABOR (.56 hr) | 3.68 | 4.00 | 4.29 |
| MANURE CREDIT | - .15 | - .16 | - .16 |
| TOTAL, VARIABLE EXPENSES | 50.74 | 54.97 | 50.64 |
| GENERAL FARM OVERHEAD | 1.47 | 1.61 | 1.69 |
| TAXES AND INSURANCE | 1.24 | 1.38 | 1.48 |
| INTEREST | 7.42 | 9.00 | 9.98 |
| TOTAL, FIXED EXPENSES | 10.13 | 11.99 | 13.15 |
| TOTAL, CASH EXPENSES | 60.87 | 66.96 | 63.79 |
| RECEIPTS LESS CASH EXPENSES | -2.93 | 1.76 | 32.23 |
| CAPITAL REPLACEMENT | 9.44 | 10.45 | 10.91 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -12.37 | -8.69 | 21.32 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 50.74 | 54.97 | 50.64 |
| TAXES AND INSURANCE | 1.24 | 1.38 | 1.48 |
| GENERAL FARM OVERHEAD | 1.47 | 1.61 | 1.69 |
| CAPITAL REPLACEMENT | 9.44 | 10.45 | 10.91 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.74 | 2.30 | 1.75 |
| OTHER NONLAND CAPITAL | 4.19 | 4.63 | 4.83 |
| LAND | .32 | .35 | .32 |
| UNPAID LABOR | 10.59 | 11.69 | 12.57 |
| RESIDUAL TO MANAGEMENT AND RISK | -21.79 | -18.66 | 11.83 |
| NET RETURNS TO OWNED INPUTS | -4.95 | .31 | 31.30 |

^{1/} QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 94--U.S. FEEDER PIG PRODUCTION COSTS, PER CWT, 10,000 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|----------------|-------|-------|
| | <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (83.69 lbs) <u>1/</u> | 51.48 | 62.25 | 89.08 |
| CULL SOWS (16.31 lbs) | 5.72 | 6.37 | 8.01 |
| TOTAL | 57.20 | 68.62 | 97.09 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (367.3 lbs) | 18.30 | 19.65 | 15.93 |
| PROTEIN SUPPLEMENTS (102.5 lbs) | 14.04 | 14.41 | 13.49 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 1.67 | 1.80 | 1.88 |
| LIVESTOCK HAULING | .10 | .11 | .12 |
| MARKETING | .39 | .43 | .47 |
| CUSTOM FEED MIXING | 2.08 | 2.28 | 2.40 |
| FUEL, LUBE, AND ELECTRICITY | 3.44 | 4.06 | 4.31 |
| MACHINERY AND BUILDING REPAIRS | 2.18 | 2.42 | 2.47 |
| HIRED LABOR (1.47 hr) | 9.84 | 10.77 | 11.58 |
| MANURE CREDIT | - .13 | - .14 | - .14 |
| TOTAL, VARIABLE EXPENSES | 51.91 | 55.79 | 52.51 |
| GENERAL FARM OVERHEAD | .72 | .79 | .83 |
| TAXES AND INSURANCE | .94 | 1.04 | 1.12 |
| INTEREST | 7.32 | 8.89 | 9.85 |
| TOTAL, FIXED EXPENSES | 8.98 | 10.72 | 11.80 |
| TOTAL, CASH EXPENSES | 60.89 | 66.51 | 64.31 |
| RECEIPTS LESS CASH EXPENSES | -3.69 | 2.11 | 32.78 |
| CAPITAL REPLACEMENT | 7.52 | 8.34 | 8.65 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -11.21 | -6.23 | 24.13 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 51.91 | 55.79 | 52.51 |
| TAXES AND INSURANCE | .94 | 1.04 | 1.12 |
| GENERAL FARM OVERHEAD | .72 | .79 | .83 |
| CAPITAL REPLACEMENT | 7.52 | 8.34 | 8.65 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.49 | 1.95 | 1.48 |
| OTHER NONLAND CAPITAL | 3.41 | 3.76 | 3.90 |
| LAND | .03 | .04 | .03 |
| UNPAID LABOR | .68 | .76 | .78 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.50 | -3.85 | 27.79 |
| NET RETURNS TO OWNED INPUTS | -3.89 | 2.66 | 33.98 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 95--FEEDER PIG PRODUCTION COSTS, PER CWT, ALL SIZES,
NORTH CENTRAL, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (79.23 lbs) <u>1/</u> | 52.67 | 61.16 | 83.95 |
| CULL SOWS (20.77 lbs) | 7.35 | 8.18 | 10.26 |
| TOTAL | 60.02 | 69.34 | 94.21 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (451.5 lbs) | 21.57 | 23.38 | 18.86 |
| PROTEIN SUPPLEMENTS (121.8 lbs) | 18.30 | 19.14 | 18.02 |
| PASTURE (.058 acre) | .08 | .08 | .08 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 1.77 | 1.88 | 1.93 |
| LIVESTOCK HAULING | .19 | .22 | .23 |
| MARKETING | 1.26 | 1.39 | 1.49 |
| BEDDING | .33 | .51 | .43 |
| CUSTOM FEED MIXING | 1.29 | 1.36 | 1.35 |
| FUEL, LUBE, AND ELECTRICITY | 6.91 | 8.04 | 8.05 |
| MACHINERY AND BUILDING REPAIRS | 4.23 | 4.62 | 4.84 |
| HIRED LABOR (.2 hr) | 1.11 | 1.30 | 1.49 |
| MANURE CREDIT | - .17 | - .19 | - .19 |
| TOTAL, VARIABLE EXPENSES | 56.87 | 61.73 | 56.58 |
| GENERAL FARM OVERHEAD | 1.90 | 2.07 | 2.14 |
| TAXES AND INSURANCE | 1.65 | 1.81 | 1.93 |
| INTEREST | 7.86 | 9.55 | 10.58 |
| TOTAL, FIXED EXPENSES | 11.41 | 13.43 | 14.65 |
| TOTAL, CASH EXPENSES | 68.28 | 75.16 | 71.23 |
| RECEIPTS LESS CASH EXPENSES | -8.26 | -5.82 | 22.98 |
| CAPITAL REPLACEMENT | 10.68 | 11.72 | 12.30 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -18.94 | -17.54 | 10.68 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 56.87 | 61.73 | 56.58 |
| TAXES AND INSURANCE | 1.65 | 1.81 | 1.93 |
| GENERAL FARM OVERHEAD | 1.90 | 2.07 | 2.14 |
| CAPITAL REPLACEMENT | 10.68 | 11.72 | 12.30 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.09 | 2.76 | 2.11 |
| OTHER NONLAND CAPITAL | 4.90 | 5.38 | 5.63 |
| LAND | 2.48 | 2.66 | 2.38 |
| UNPAID LABOR | 16.69 | 18.44 | 19.45 |
| RESIDUAL TO MANAGEMENT AND RISK | -37.24 | -37.23 | -8.31 |
| NET RETURNS TO OWNED INPUTS | -11.08 | -7.99 | 21.26 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 96--FEEDER PIG PRODUCTION COSTS, PER CWT, ALL SIZES,
SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|----------------|--------|-------|
| | <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | | |
| FEEDER PIGS (86.5 lbs) <u>1/</u> | 45.28 | 59.61 | 93.07 |
| CULL SOWS (13.5 lbs) | 4.70 | 5.23 | 6.51 |
| TOTAL | 49.98 | 64.84 | 99.58 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (389 lbs) | 21.39 | 22.42 | 18.13 |
| PROTEIN SUPPLEMENTS (104.7 lbs) | 15.97 | 17.17 | 15.70 |
| PASTURE (.036 acre) | .79 | .83 | .80 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | 1.00 | 1.06 | 1.10 |
| LIVESTOCK HAULING | .01 | .01 | .01 |
| MARKETING | 1.77 | 1.93 | 2.04 |
| BEDDING (18 lbs) | .16 | .24 | .19 |
| CUSTOM FEED MIXING | 1.87 | 1.94 | 1.91 |
| FUEL, LUBE, AND ELECTRICITY | 5.31 | 6.09 | 6.33 |
| MACHINERY AND BUILDING REPAIRS | 4.68 | 5.14 | 5.29 |
| HIRED LABOR (.88 hr) | 4.04 | 4.36 | 4.93 |
| TOTAL, VARIABLE EXPENSES | 56.99 | 61.19 | 56.43 |
| GENERAL FARM OVERHEAD | 2.71 | 2.92 | 3.02 |
| TAXES AND INSURANCE | 1.48 | 1.62 | 1.73 |
| INTEREST | 6.20 | 7.52 | 8.34 |
| TOTAL, FIXED EXPENSES | 10.39 | 12.06 | 13.09 |
| TOTAL, CASH EXPENSES | 67.38 | 73.25 | 69.52 |
| RECEIPTS LESS CASH EXPENSES | -17.40 | -8.41 | 30.06 |
| CAPITAL REPLACEMENT | 11.17 | 12.29 | 12.67 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -28.57 | -20.70 | 17.39 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 56.99 | 61.19 | 56.43 |
| TAXES AND INSURANCE | 1.48 | 1.62 | 1.73 |
| GENERAL FARM OVERHEAD | 2.71 | 2.92 | 3.02 |
| CAPITAL REPLACEMENT | 11.17 | 12.29 | 12.67 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 2.12 | 2.73 | 2.08 |
| OTHER NONLAND CAPITAL | 5.06 | 5.54 | 5.75 |
| LAND | 1.47 | 1.52 | 1.36 |
| UNPAID LABOR | 17.79 | 18.06 | 18.61 |
| RESIDUAL TO MANAGEMENT AND RISK | -48.81 | -41.03 | -2.07 |
| NET RETURNS TO OWNED INPUTS | -22.37 | -13.18 | 25.73 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 97--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT, ALL SIZES
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 lbs) <u>1/</u> | 39.30 | 43.86 | 54.53 |
| TOTAL | 39.30 | 43.86 | 54.53 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.7 lbs) | 13.16 | 17.54 | 22.40 |
| FEED-- | | | |
| GRAIN (239.9 lbs) | 11.65 | 12.59 | 10.19 |
| PROTEIN SUPPLEMENTS (45.2 lbs) | 6.55 | 6.89 | 6.38 |
| PASTURE (.001 acre) | .02 | .02 | .02 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .40 | .43 | .45 |
| LIVESTOCK HAULING | .12 | .14 | .15 |
| MARKETING | .36 | .39 | .42 |
| BEDDING (10 lbs) | .08 | .11 | .10 |
| CUSTOM FEED MIXING | .10 | .10 | .09 |
| FUEL, LUBE, AND ELECTRICITY | 1.38 | 1.50 | 1.49 |
| MACHINERY AND BUILDING REPAIRS | 1.35 | 1.50 | 1.58 |
| HIRED LABOR (.08 hr) | .34 | .38 | .41 |
| MANURE CREDIT | - .14 | - .15 | - .16 |
| TOTAL, VARIABLE EXPENSES | 35.37 | 41.44 | 43.52 |
| GENERAL FARM OVERHEAD | .82 | .88 | .91 |
| TAXES AND INSURANCE | .32 | .36 | .39 |
| INTEREST | 3.35 | 4.06 | 4.50 |
| TOTAL, FIXED EXPENSES | 4.49 | 5.30 | 5.80 |
| TOTAL, CASH EXPENSES | 39.86 | 46.74 | 49.32 |
| RECEIPTS LESS CASH EXPENSES | - .56 | -2.88 | 5.21 |
| CAPITAL REPLACEMENT | 2.51 | 2.77 | 2.91 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -3.07 | -5.65 | 2.30 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.37 | 41.44 | 43.52 |
| TAXES AND INSURANCE | .32 | .36 | .39 |
| GENERAL FARM OVERHEAD | .82 | .88 | .91 |
| CAPITAL REPLACEMENT | 2.51 | 2.77 | 2.91 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .70 | .99 | .83 |
| OTHER NONLAND CAPITAL | 1.03 | 1.13 | 1.18 |
| LAND | .11 | .12 | .10 |
| UNPAID LABOR | 1.34 | 1.46 | 1.53 |
| RESIDUAL TO MANAGEMENT AND RISK | -2.90 | -5.29 | 3.16 |
| NET RETURNS TO OWNED INPUTS | .28 | -1.59 | 6.80 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 98--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT, 140 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 lbs) <u>1/</u> | 38.03 | 42.95 | 52.52 |
| TOTAL | 38.03 | 42.95 | 52.52 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (23.1 lbs) | 13.31 | 17.77 | 23.97 |
| FEED-- | | | |
| GRAIN (241.4 lbs) | 11.83 | 12.76 | 10.34 |
| PROTEIN SUPPLEMENTS (44.7 lbs) | 6.70 | 7.12 | 6.58 |
| PASTURE (.005 acre) | .11 | .11 | .12 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .61 | .66 | .69 |
| LIVESTOCK HAULING | .07 | .08 | .08 |
| MARKETING | .55 | .61 | .67 |
| BEDDING (18 lbs) | .13 | .20 | .18 |
| CUSTOM FEED MIXING | .61 | .67 | .70 |
| FUEL, LUBE, AND ELECTRICITY | 1.51 | 1.75 | 1.78 |
| MACHINERY AND BUILDING REPAIRS | 1.58 | 1.76 | 1.85 |
| HIRED LABOR (.04 hr) | .14 | .16 | .17 |
| MANURE CREDIT | - .12 | - .13 | - .13 |
| TOTAL, VARIABLE EXPENSES | 37.03 | 43.52 | 47.00 |
| GENERAL FARM OVERHEAD | 1.13 | 1.24 | 1.31 |
| TAXES AND INSURANCE | .40 | .43 | .47 |
| INTEREST | 3.16 | 3.84 | 4.26 |
| TOTAL, FIXED EXPENSES | 4.69 | 5.51 | 6.04 |
| TOTAL, CASH EXPENSES | 41.72 | 49.03 | 53.04 |
| RECEIPTS LESS CASH EXPENSES | -3.69 | -6.08 | - .52 |
| CAPITAL REPLACEMENT | 3.19 | 3.53 | 3.68 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -6.88 | -9.61 | -4.20 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 37.03 | 43.52 | 47.00 |
| TAXES AND INSURANCE | .40 | .43 | .47 |
| GENERAL FARM OVERHEAD | 1.13 | 1.24 | 1.31 |
| CAPITAL REPLACEMENT | 3.19 | 3.53 | 3.68 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .75 | 1.06 | .92 |
| OTHER NONLAND CAPITAL | 1.35 | 1.49 | 1.55 |
| LAND | .35 | .39 | .36 |
| UNPAID LABOR | 2.54 | 2.79 | 3.01 |
| RESIDUAL TO MANAGEMENT AND RISK | -8.71 | -11.50 | -5.78 |
| NET RETURNS TO OWNED INPUTS | -3.72 | -5.77 | .06 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 99--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT, 300 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 lbs) <u>1/</u> | 39.18 | 43.55 | 54.69 |
| TOTAL | 39.18 | 43.55 | 54.69 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.6 lbs) | 12.97 | 17.74 | 22.43 |
| FEED-- | | | |
| GRAIN (241.8 lbs) | 11.68 | 12.63 | 10.24 |
| PROTEIN SUPPLEMENTS (44.6 lbs) | 6.70 | 7.10 | 6.58 |
| PASTURE (.002 acre) | .03 | .04 | .04 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .41 | .44 | .46 |
| LIVESTOCK HAULING | .19 | .22 | .23 |
| MARKETING | .37 | .41 | .45 |
| BEDDING (8 lbs) | .06 | .10 | .08 |
| FUEL, LUBE, AND ELECTRICITY | 1.85 | 1.80 | 1.78 |
| MACHINERY AND BUILDING REPAIRS | 1.41 | 1.57 | 1.68 |
| HIRED LABOR (.11 hr) | .42 | .47 | .50 |
| MANURE CREDIT | - .14 | - .15 | - .15 |
| TOTAL, VARIABLE EXPENSES | 35.95 | 42.37 | 44.32 |
| GENERAL FARM OVERHEAD | 1.05 | 1.51 | 1.21 |
| TAXES AND INSURANCE | .34 | .36 | .40 |
| INTEREST | 3.35 | 4.07 | 4.51 |
| TOTAL, FIXED EXPENSES | 4.74 | 5.94 | 6.12 |
| TOTAL, CASH EXPENSES | 40.69 | 48.31 | 50.44 |
| RECEIPTS LESS CASH EXPENSES | -1.51 | -4.76 | 4.25 |
| CAPITAL REPLACEMENT | 2.42 | 2.70 | 2.87 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -3.93 | -7.46 | 1.38 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.95 | 42.37 | 44.32 |
| TAXES AND INSURANCE | .34 | .36 | .40 |
| GENERAL FARM OVERHEAD | 1.05 | 1.51 | 1.21 |
| CAPITAL REPLACEMENT | 2.42 | 2.70 | 2.87 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .71 | 1.01 | .85 |
| OTHER NONLAND CAPITAL | .99 | 1.09 | 1.15 |
| LAND | .15 | .16 | .15 |
| UNPAID LABOR | 1.53 | 1.70 | 1.82 |
| RESIDUAL TO MANAGEMENT AND RISK | -3.96 | -7.35 | 1.92 |
| NET RETURNS TO OWNED INPUTS | - .58 | -3.39 | 5.89 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 100--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT,
650 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 lbs) <u>1/</u> | 39.63 | 44.14 | 54.84 |
| TOTAL | 39.63 | 44.14 | 54.84 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.4 lbs) | 13.24 | 17.40 | 21.89 |
| FEED-- | | | |
| GRAIN (242 lbs) | 11.65 | 12.61 | 10.22 |
| PROTEIN SUPPLEMENTS (44.7 lbs) | 6.65 | 7.04 | 6.53 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .36 | .38 | .40 |
| LIVESTOCK HAULING | .07 | .08 | .08 |
| MARKETING | .33 | .36 | .40 |
| BEDDING (14 lbs) | .11 | .16 | .14 |
| FUEL, LUBE, AND ELECTRICITY | 1.42 | 1.67 | 1.66 |
| MACHINERY AND BUILDING REPAIRS | 1.20 | 1.33 | 1.43 |
| HIRED LABOR (.07 hr) | .28 | .31 | .33 |
| MANURE CREDIT | - .14 | - .15 | - .15 |
| TOTAL, VARIABLE EXPENSES | 35.17 | 41.19 | 42.93 |
| GENERAL FARM OVERHEAD | .85 | .93 | .98 |
| TAXES AND INSURANCE | .27 | .30 | .33 |
| INTEREST | 3.38 | 4.10 | 4.54 |
| TOTAL, FIXED EXPENSES | 4.50 | 5.33 | 5.85 |
| TOTAL, CASH EXPENSES | 39.67 | 46.52 | 48.78 |
| RECEIPTS LESS CASH EXPENSES | - .04 | -2.38 | 6.06 |
| CAPITAL REPLACEMENT | 1.99 | 2.21 | 2.35 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -2.03 | -4.59 | 3.71 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.17 | 41.19 | 42.93 |
| TAXES AND INSURANCE | .27 | .30 | .33 |
| GENERAL FARM OVERHEAD | .85 | .93 | .98 |
| CAPITAL REPLACEMENT | 1.99 | 2.21 | 2.35 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .69 | .98 | .82 |
| OTHER NONLAND CAPITAL | .81 | .88 | .94 |
| LAND | .04 | .05 | .04 |
| UNPAID LABOR | 1.24 | 1.38 | 1.49 |
| RESIDUAL TO MANAGEMENT AND RISK | -1.43 | -3.78 | 4.96 |
| NET RETURNS TO OWNED INPUTS | 1.35 | - .49 | 8.25 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 101--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT,
1,600 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 LBS) <u>1/</u> | 39.67 | 44.18 | 54.85 |
| TOTAL | 39.67 | 44.18 | 54.85 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.5 lbs) | 13.25 | 17.42 | 22.00 |
| FEED-- | | | |
| GRAIN (240.8 lbs) | 11.62 | 12.58 | 10.19 |
| PROTEIN SUPPLEMENTS (44.9 lbs) | 6.53 | 6.96 | 6.46 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .37 | .40 | .42 |
| LIVESTOCK HAULING | .15 | .17 | .18 |
| MARKETING | .32 | .36 | .39 |
| BEDDING (6 lbs) | .06 | .09 | .08 |
| FUEL, LUBE, AND ELECTRICITY | 1.16 | 1.36 | 1.37 |
| MACHINERY AND BUILDING REPAIRS | 1.39 | 1.55 | 1.63 |
| HIRED LABOR (.08 hr) | .42 | .47 | .50 |
| MANURE CREDIT | - .14 | - .15 | - .15 |
| TOTAL, VARIABLE EXPENSES | 35.13 | 41.21 | 43.07 |
| GENERAL FARM OVERHEAD | .63 | .70 | .73 |
| TAXES AND INSURANCE | .35 | .38 | .42 |
| INTEREST | 3.38 | 4.11 | 4.55 |
| TOTAL, FIXED EXPENSES | 4.36 | 5.19 | 5.70 |
| TOTAL, CASH EXPENSES | 39.49 | 46.40 | 48.77 |
| RECEIPTS LESS CASH EXPENSES | .18 | -2.22 | 6.08 |
| CAPITAL REPLACEMENT | 2.85 | 3.16 | 3.29 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -2.67 | -5.38 | 2.79 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.13 | 41.21 | 43.07 |
| TAXES AND INSURANCE | .35 | .38 | .42 |
| GENERAL FARM OVERHEAD | .63 | .70 | .73 |
| CAPITAL REPLACEMENT | 2.85 | 3.16 | 3.29 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .68 | .97 | .82 |
| OTHER NONLAND CAPITAL | 1.16 | 1.27 | 1.32 |
| LAND | .04 | .04 | .04 |
| UNPAID LABOR | .86 | .96 | 1.03 |
| RESIDUAL TO MANAGEMENT AND RISK | -2.03 | -4.51 | 4.13 |
| NET RETURNS TO OWNED INPUTS | .71 | -1.27 | 7.34 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 102--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT,
3,000 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 LBS) <u>1/</u> | 39.70 | 44.21 | 54.90 |
| TOTAL | 39.70 | 44.21 | 54.90 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.8 lbs) | 13.16 | 17.42 | 22.22 |
| FEED-- | | | |
| GRAIN (235.8 lbs) | 11.51 | 12.42 | 10.07 |
| PROTEIN SUPPLEMENTS (47.6 lbs) | 6.25 | 6.41 | 5.99 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .27 | .29 | .30 |
| LIVESTOCK HAULING | .13 | .15 | .16 |
| MARKETING | .31 | .35 | .38 |
| BEDDING (4 lbs) | .04 | .06 | .05 |
| FUEL, LUBE, AND ELECTRICITY | .97 | 1.12 | 1.13 |
| MACHINERY AND BUILDING REPAIRS | 1.27 | 1.41 | 1.49 |
| HIRED LABOR (.04 hr) | .29 | .32 | .34 |
| MANURE CREDIT | - .13 | - .14 | - .14 |
| TOTAL, VARIABLE EXPENSES | 34.07 | 39.81 | 41.99 |
| GENERAL FARM OVERHEAD | .48 | .52 | .55 |
| TAXES AND INSURANCE | .29 | .33 | .36 |
| INTEREST | 3.40 | 4.12 | 4.57 |
| TOTAL, FIXED EXPENSES | 4.17 | 4.97 | 5.48 |
| TOTAL, CASH EXPENSES | 38.24 | 44.78 | 47.47 |
| RECEIPTS LESS CASH EXPENSES | 1.46 | - .57 | 7.43 |
| CAPITAL REPLACEMENT | 2.31 | 2.56 | 2.66 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | - .85 | -3.13 | 4.77 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 34.07 | 39.81 | 41.99 |
| TAXES AND INSURANCE | .29 | .33 | .36 |
| GENERAL FARM OVERHEAD | .48 | .52 | .55 |
| CAPITAL REPLACEMENT | 2.31 | 2.56 | 2.66 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .66 | .94 | .80 |
| OTHER NONLAND CAPITAL | .98 | 1.08 | 1.12 |
| LAND | .03 | .03 | .03 |
| UNPAID LABOR | .88 | .97 | 1.04 |
| RESIDUAL TO MANAGEMENT AND RISK | .00 | -2.03 | 6.35 |
| NET RETURNS TO OWNED INPUTS | 2.55 | .99 | 9.34 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 103--U.S. FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT,
10,000 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 LBS) <u>1/</u> | 39.73 | 44.25 | 54.97 |
| TOTAL | 39.73 | 44.25 | 54.97 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (23.1 lbs) | 13.05 | 17.43 | 22.52 |
| FEED-- | | | |
| GRAIN (232.1 lbs) | 11.48 | 12.35 | 10.02 |
| PROTEIN SUPPLEMENTS (45.9 lbs) | 5.91 | 6.06 | 5.64 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .40 | .43 | .45 |
| LIVESTOCK HAULING | .11 | .12 | .13 |
| MARKETING | .17 | .19 | .21 |
| BEDDING (2 lbs) | .02 | .03 | .03 |
| FUEL, LUBE, AND ELECTRICITY | .70 | .82 | .84 |
| MACHINERY AND BUILDING REPAIRS | 1.15 | 1.27 | 1.33 |
| HIRED LABOR (.08 hr) | .52 | .57 | .61 |
| MANURE CREDIT | - .24 | - .26 | - .26 |
| TOTAL, VARIABLE EXPENSES | 33.27 | 39.01 | 41.52 |
| GENERAL FARM OVERHEAD | .33 | .36 | .38 |
| TAXES AND INSURANCE | .29 | .32 | .35 |
| INTEREST | 3.42 | 4.15 | 4.59 |
| TOTAL, FIXED EXPENSES | 4.04 | 4.83 | 5.32 |
| TOTAL, CASH EXPENSES | 37.31 | 43.84 | 46.84 |
| RECEIPTS LESS CASH EXPENSES | 2.42 | .41 | 8.13 |
| CAPITAL REPLACEMENT | 2.18 | 2.41 | 2.49 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | .24 | -2.00 | 5.64 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.27 | 39.01 | 41.52 |
| TAXES AND INSURANCE | .29 | .32 | .35 |
| GENERAL FARM OVERHEAD | .33 | .36 | .38 |
| CAPITAL REPLACEMENT | 2.18 | 2.41 | 2.49 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .64 | .91 | .78 |
| OTHER NONLAND CAPITAL | .91 | .99 | 1.02 |
| LAND | .01 | .01 | .01 |
| UNPAID LABOR | .55 | .61 | .65 |
| RESIDUAL TO MANAGEMENT AND RISK | 1.55 | - .37 | 7.77 |
| NET RETURNS TO OWNED INPUTS | 3.66 | 2.15 | 10.23 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 104--FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT, ALL SIZES,
NORTH CENTRAL, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 LBS) <u>1/</u> | 39.16 | 43.77 | 54.40 |
| TOTAL | 39.16 | 43.77 | 54.40 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (22.1 lbs) | 13.34 | 17.55 | 21.94 |
| FEED-- | | | |
| GRAIN (240.2 lbs) | 11.42 | 12.40 | 10.04 |
| PROTEIN SUPPLEMENTS (45.2 lbs) | 6.55 | 6.88 | 6.39 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .41 | .44 | .46 |
| LIVESTOCK HAULING | .14 | .16 | .17 |
| MARKETING | .37 | .40 | .43 |
| BEDDING (10 lbs) | .08 | .13 | .11 |
| FUEL, LUBE, AND ELECTRICITY | 1.41 | 1.53 | 1.51 |
| MACHINERY AND BUILDING REPAIRS | 1.36 | 1.51 | 1.60 |
| HIRED LABOR (.07 hr) | .33 | .38 | .41 |
| MANURE CREDIT | - .17 | - .18 | - .18 |
| TOTAL, VARIABLE EXPENSES | 35.24 | 41.20 | 42.88 |
| | | | |
| GENERAL FARM OVERHEAD | .73 | .79 | .82 |
| TAXES AND INSURANCE | .32 | .35 | .39 |
| INTEREST | 3.38 | 4.11 | 4.55 |
| TOTAL, FIXED EXPENSES | 4.43 | 5.25 | 5.76 |
| | | | |
| TOTAL, CASH EXPENSES | 39.67 | 46.45 | 48.64 |
| | | | |
| RECEIPTS LESS CASH EXPENSES | - .51 | -2.68 | 5.76 |
| CAPITAL REPLACEMENT | 2.48 | 2.75 | 2.88 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -2.99 | -5.43 | 2.88 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.24 | 41.20 | 42.88 |
| TAXES AND INSURANCE | .32 | .35 | .39 |
| GENERAL FARM OVERHEAD | .73 | .79 | .82 |
| CAPITAL REPLACEMENT | 2.48 | 2.75 | 2.88 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .69 | .98 | .82 |
| OTHER NONLAND CAPITAL | 1.03 | 1.14 | 1.19 |
| LAND | .08 | .08 | .07 |
| UNPAID LABOR | 1.32 | 1.45 | 1.52 |
| RESIDUAL TO MANAGEMENT AND RISK | -2.73 | -4.97 | 3.83 |
| NET RETURNS TO OWNED INPUTS | .39 | -1.32 | 7.43 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 105--FEEDER PIG FINISHING PRODUCTION COSTS, PER CWT, ALL SIZES,
SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (100 LBS) <u>1/</u> | 40.09 | 44.33 | 55.23 |
| TOTAL | 40.09 | 44.33 | 55.23 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEEDERS-- | | | |
| FEEDER PIGS (25.7 lbs) | 12.17 | 17.51 | 25.09 |
| FEED-- | | | |
| GRAIN (237.8 lbs) | 12.97 | 13.64 | 11.08 |
| PROTEIN SUPPLEMENTS (45.4 lbs) | 6.53 | 6.96 | 6.34 |
| PASTURE (.007 acre) | .17 | .17 | .16 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .35 | .37 | .38 |
| LIVESTOCK HAULING | .05 | .05 | .06 |
| MARKETING | .32 | .35 | .37 |
| BEDDING (2 lbs) | .02 | .03 | .02 |
| CUSTOM FEED MIXING | .65 | .66 | .62 |
| FUEL, LUBE, AND ELECTRICITY | 1.20 | 1.36 | 1.38 |
| MACHINERY AND BUILDING REPAIRS | 1.28 | 1.42 | 1.50 |
| HIRED LABOR (.08 hr) | .36 | .39 | .43 |
| TOTAL, VARIABLE EXPENSES | 36.07 | 42.91 | 47.43 |
| GENERAL FARM OVERHEAD | 1.31 | 1.41 | 1.45 |
| TAXES AND INSURANCE | .35 | .38 | .42 |
| INTEREST | 3.46 | 4.20 | 4.66 |
| TOTAL, FIXED EXPENSES | 5.12 | 5.99 | 6.53 |
| TOTAL, CASH EXPENSES | 41.19 | 48.90 | 53.96 |
| RECEIPTS LESS CASH EXPENSES | -1.10 | -4.57 | 1.27 |
| CAPITAL REPLACEMENT | 2.67 | 2.91 | 3.04 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -3.77 | -7.48 | -1.77 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 36.07 | 42.91 | 47.43 |
| TAXES AND INSURANCE | .35 | .38 | .42 |
| GENERAL FARM OVERHEAD | 1.31 | 1.41 | 1.45 |
| CAPITAL REPLACEMENT | 2.67 | 2.91 | 3.04 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .71 | 1.02 | .91 |
| OTHER NONLAND CAPITAL | 1.02 | 1.10 | 1.16 |
| LAND | .31 | .32 | .28 |
| UNPAID LABOR | 1.50 | 1.51 | 1.54 |
| RESIDUAL TO MANAGEMENT AND RISK | -3.85 | -7.23 | -1.00 |
| NET RETURNS TO OWNED INPUTS | - .31 | -3.28 | 2.89 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 106--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, ALL SIZES,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.39 lbs) <u>1/</u> | 37.62 | 41.67 | 51.70 |
| CULL SOWS (5.61 lbs) | 1.98 | 2.20 | 2.77 |
| TOTAL | 39.60 | 43.87 | 54.47 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (349.8 lbs) | 16.94 | 18.32 | 14.83 |
| PROTEIN SUPPLEMENTS (81.2 lbs) | 11.68 | 12.27 | 11.40 |
| PASTURE (.009 acre) | .05 | .05 | .05 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .47 | .50 | .51 |
| LIVESTOCK HAULING | .10 | .12 | .12 |
| MARKETING | .30 | .33 | .36 |
| BEDDING (14 lbs) | .12 | .18 | .15 |
| FUEL, LUBE, AND ELECTRICITY | 1.77 | 2.06 | 2.06 |
| MACHINERY AND BUILDING REPAIRS | 2.06 | 2.25 | 2.35 |
| HIRED LABOR (.18 hr) | .85 | .99 | 1.12 |
| MANURE CREDIT | - .19 | - .20 | - .20 |
| TOTAL, VARIABLE EXPENSES | 34.15 | 36.87 | 32.75 |
| GENERAL FARM OVERHEAD | 1.09 | 1.17 | 1.19 |
| TAXES AND INSURANCE | .61 | .67 | .70 |
| INTEREST | 5.07 | 6.15 | 6.82 |
| TOTAL, FIXED EXPENSES | 6.77 | 7.99 | 8.71 |
| TOTAL, CASH EXPENSES | 40.92 | 44.86 | 41.46 |
| RECEIPTS LESS CASH EXPENSES | -1.32 | - .99 | 13.01 |
| CAPITAL REPLACEMENT | 5.15 | 5.59 | 5.81 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -6.47 | -6.58 | 7.20 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 34.15 | 36.87 | 32.75 |
| TAXES AND INSURANCE | .61 | .67 | .70 |
| GENERAL FARM OVERHEAD | 1.09 | 1.17 | 1.19 |
| CAPITAL REPLACEMENT | 5.15 | 5.59 | 5.81 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.09 | 1.44 | 1.05 |
| OTHER NONLAND CAPITAL | 2.08 | 2.27 | 2.35 |
| LAND | .46 | .48 | .41 |
| UNPAID LABOR | 4.41 | 4.90 | 5.13 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.44 | -9.52 | 5.08 |
| NET RETURNS TO OWNED INPUTS | -1.40 | - .43 | 14.02 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 107--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, 140 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.69 lbs) <u>1/</u> | 37.79 | 41.51 | 51.73 |
| CULL SOWS (5.31 lbs) | 1.87 | 2.08 | 2.61 |
| TOTAL | 39.66 | 43.59 | 54.34 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (355.3 lbs) | 17.35 | 18.72 | 15.17 |
| PROTEIN SUPPLEMENTS (80.6 lbs) | 12.09 | 12.84 | 11.87 |
| PASTURE (.028 acre) | .14 | .15 | .16 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .49 | .52 | .55 |
| LIVESTOCK HAULING | .12 | .14 | .15 |
| MARKETING | .42 | .47 | .51 |
| BEDDING (18 lbs) | .13 | .20 | .17 |
| FUEL, LUBE, AND ELECTRICITY | 2.10 | 2.46 | 2.49 |
| MACHINERY AND BUILDING REPAIRS | 2.34 | 2.59 | 2.72 |
| HIRED LABOR (.11 hr) | .39 | .42 | .46 |
| MANURE CREDIT | - .16 | - .18 | - .18 |
| TOTAL, VARIABLE EXPENSES | 35.41 | 38.33 | 34.07 |
| GENERAL FARM OVERHEAD | 1.64 | 1.80 | 1.90 |
| TAXES AND INSURANCE | .75 | .80 | .86 |
| INTEREST | 5.08 | 6.16 | 6.83 |
| TOTAL, FIXED EXPENSES | 7.47 | 8.76 | 9.59 |
| TOTAL, CASH EXPENSES | 42.88 | 47.09 | 43.66 |
| RECEIPTS LESS CASH EXPENSES | -3.22 | -3.50 | 10.68 |
| CAPITAL REPLACEMENT | 5.93 | 6.51 | 6.87 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -9.15 | -10.01 | 3.81 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 35.41 | 38.33 | 34.07 |
| TAXES AND INSURANCE | .75 | .80 | .86 |
| GENERAL FARM OVERHEAD | 1.64 | 1.80 | 1.90 |
| CAPITAL REPLACEMENT | 5.93 | 6.51 | 6.87 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.23 | 1.63 | 1.21 |
| OTHER NONLAND CAPITAL | 2.43 | 2.68 | 2.79 |
| LAND | 1.13 | 1.24 | 1.15 |
| UNPAID LABOR | 8.06 | 8.93 | 9.60 |
| RESIDUAL TO MANAGEMENT AND RISK | -16.92 | -18.33 | -4.11 |
| NET RETURNS TO OWNED INPUTS | -4.07 | -3.85 | 10.64 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 108--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, 300 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.05 lbs) <u>1/</u> | 37.91 | 41.65 | 51.39 |
| CULL SOWS (5.95 lbs) | 2.09 | 2.33 | 2.94 |
| TOTAL | 40.00 | 43.98 | 54.33 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (353.7 lbs) | 17.04 | 18.45 | 14.95 |
| PROTEIN SUPPLEMENTS (80.4 lbs) | 12.08 | 12.80 | 11.86 |
| PASTURE (.016 acre) | .07 | .08 | .08 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .56 | .60 | .63 |
| LIVESTOCK HAULING | .15 | .17 | .19 |
| MARKETING | .32 | .35 | .39 |
| BEDDING (22 lbs) | .16 | .25 | .22 |
| FUEL, LUBE, AND ELECTRICITY | 1.71 | 2.02 | 2.02 |
| MACHINERY AND BUILDING REPAIRS | 2.16 | 2.34 | 2.46 |
| HIRED LABOR (.09 hr) | .34 | .38 | .41 |
| MANURE CREDIT | - .18 | - .19 | - .19 |
| TOTAL, VARIABLE EXPENSES | 34.41 | 37.25 | 33.02 |
| GENERAL FARM OVERHEAD | 1.46 | 1.60 | 1.68 |
| TAXES AND INSURANCE | .65 | .70 | .75 |
| INTEREST | 5.12 | 6.22 | 6.89 |
| TOTAL, FIXED EXPENSES | 7.23 | 8.52 | 9.32 |
| TOTAL, CASH EXPENSES | 41.64 | 45.77 | 42.34 |
| RECEIPTS LESS CASH EXPENSES | -1.64 | -1.79 | 11.99 |
| CAPITAL REPLACEMENT | 5.86 | 6.32 | 6.63 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -7.50 | -8.11 | 5.36 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 34.41 | 37.25 | 33.02 |
| TAXES AND INSURANCE | .65 | .70 | .75 |
| GENERAL FARM OVERHEAD | 1.46 | 1.60 | 1.68 |
| CAPITAL REPLACEMENT | 5.86 | 6.32 | 6.63 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.14 | 1.50 | 1.10 |
| OTHER NONLAND CAPITAL | 2.27 | 2.44 | 2.55 |
| LAND | .69 | .75 | .70 |
| UNPAID LABOR | 5.63 | 6.27 | 6.75 |
| RESIDUAL TO MANAGEMENT AND RISK | -12.11 | -12.85 | 1.15 |
| NET RETURNS TO OWNED INPUTS | -2.38 | -1.89 | 12.25 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 109--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, 650 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.24 lbs) ^{1/} | 37.37 | 41.62 | 51.67 |
| CULL SOWS (5.76 lbs) | 2.03 | 2.26 | 2.84 |
| TOTAL | 39.40 | 43.88 | 54.51 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (353.2 lbs) | 16.97 | 18.38 | 14.89 |
| PROTEIN SUPPLEMENTS (80.7 lbs) | 11.94 | 12.66 | 11.75 |
| PASTURE (.009 acre) | .04 | .05 | .05 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .62 | .66 | .69 |
| LIVESTOCK HAULING | .10 | .11 | .12 |
| MARKETING | .31 | .35 | .38 |
| BEDDING (18 lbs) | .14 | .22 | .19 |
| FUEL, LUBE, AND ELECTRICITY | 2.02 | 2.35 | 2.34 |
| MACHINERY AND BUILDING REPAIRS | 2.02 | 2.20 | 2.32 |
| HIRED LABOR (.12 hr) | .45 | .49 | .53 |
| MANURE CREDIT | -.18 | -.20 | -.20 |
| TOTAL, VARIABLE EXPENSES | 34.43 | 37.27 | 33.06 |
| GENERAL FARM OVERHEAD | 1.16 | 1.28 | 1.28 |
| TAXES AND INSURANCE | .58 | .63 | .66 |
| INTEREST | 5.04 | 6.12 | 6.78 |
| TOTAL, FIXED EXPENSES | 6.78 | 8.03 | 8.72 |
| TOTAL, CASH EXPENSES | 41.21 | 45.30 | 41.78 |
| RECEIPTS LESS CASH EXPENSES | -1.81 | -1.42 | 12.73 |
| CAPITAL REPLACEMENT | 5.05 | 5.46 | 5.78 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -6.86 | -6.88 | 6.95 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 34.43 | 37.27 | 33.06 |
| TAXES AND INSURANCE | .58 | .63 | .66 |
| GENERAL FARM OVERHEAD | 1.16 | 1.28 | 1.28 |
| CAPITAL REPLACEMENT | 5.05 | 5.46 | 5.78 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.08 | 1.42 | 1.04 |
| OTHER NONLAND CAPITAL | 1.97 | 2.12 | 2.22 |
| LAND | .45 | .49 | .46 |
| UNPAID LABOR | 3.60 | 4.02 | 4.32 |
| RESIDUAL TO MANAGEMENT AND RISK | -8.92 | -8.81 | 5.69 |
| NET RETURNS TO OWNED INPUTS | -1.82 | -.76 | 13.73 |

^{1/} QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 110--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, 1,600 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.41 lbs) <u>1/</u> | 37.43 | 41.70 | 51.77 |
| CULL SOWS (5.59 lbs) | 1.98 | 1.80 | 2.76 |
| TOTAL | 39.41 | 43.50 | 54.53 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (345.8 lbs) | 16.61 | 18.03 | 14.61 |
| PROTEIN SUPPLEMENTS (84.9 lbs) | 11.78 | 12.39 | 11.74 |
| PASTURE (.001 acre) | .00 | .01 | .01 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .25 | .27 | .28 |
| LIVESTOCK HAULING | .07 | .08 | .09 |
| MARKETING | .30 | .32 | .35 |
| BEDDING (12 lbs) | .11 | .16 | .14 |
| FUEL, LUBE, AND ELECTRICITY | 1.55 | 1.81 | 1.82 |
| MACHINERY AND BUILDING REPAIRS | 2.06 | 2.28 | 2.37 |
| HIRED LABOR (.23 hr) | 1.00 | 1.27 | 1.36 |
| MANURE CREDIT | - .18 | - .20 | - .20 |
| TOTAL, VARIABLE EXPENSES | 33.55 | 36.42 | 32.57 |
| GENERAL FARM OVERHEAD | .72 | .80 | .84 |
| TAXES AND INSURANCE | .61 | .69 | .73 |
| INTEREST | 5.04 | 6.12 | 6.79 |
| TOTAL, FIXED EXPENSES | 6.37 | 7.61 | 8.36 |
| TOTAL, CASH EXPENSES | 39.92 | 44.03 | 40.93 |
| RECEIPTS LESS CASH EXPENSES | - .51 | - .53 | 13.60 |
| CAPITAL REPLACEMENT | 4.92 | 5.44 | 5.62 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -5.43 | -5.97 | 7.98 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.55 | 36.42 | 32.57 |
| TAXES AND INSURANCE | .61 | .69 | .73 |
| GENERAL FARM OVERHEAD | .72 | .80 | .84 |
| CAPITAL REPLACEMENT | 4.92 | 5.44 | 5.62 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.04 | 1.39 | 1.02 |
| OTHER NONLAND CAPITAL | 2.13 | 2.33 | 2.41 |
| LAND | .06 | .06 | .07 |
| UNPAID LABOR | 3.11 | 3.96 | 4.25 |
| RESIDUAL TO MANAGEMENT AND RISK | -6.73 | -7.59 | 7.02 |
| NET RETURNS TO OWNED INPUTS | - .39 | .15 | 14.77 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 111--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT,
3,000 HEAD, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.64 lbs) <u>1/</u> | 37.56 | 41.83 | 51.95 |
| CULL SOWS (5.36 lbs) | 1.88 | 2.10 | 2.64 |
| TOTAL | 39.44 | 43.93 | 54.59 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (348.1 lbs) | 16.92 | 18.28 | 14.81 |
| PROTEIN SUPPLEMENTS (79.9 lbs) | 10.74 | 11.03 | 10.24 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .30 | .33 | .34 |
| LIVESTOCK HAULING | .05 | .06 | .06 |
| MARKETING | .17 | .19 | .21 |
| BEDDING (4 lbs) | .03 | .05 | .04 |
| FUEL, LUBE, AND ELECTRICITY | 1.47 | 1.70 | 1.75 |
| MACHINERY AND BUILDING REPAIRS | 1.91 | 2.09 | 2.19 |
| HIRED LABOR (.023 hr) | 1.52 | 1.66 | 1.78 |
| MANURE CREDIT | -.17 | -.18 | -.18 |
| TOTAL, VARIABLE EXPENSES | 32.94 | 35.21 | 31.24 |
| GENERAL FARM OVERHEAD | .46 | .50 | .53 |
| TAXES AND INSURANCE | .51 | .59 | .61 |
| INTEREST | 5.05 | 6.13 | 6.79 |
| TOTAL, FIXED EXPENSES | 6.02 | 7.22 | 7.93 |
| TOTAL, CASH EXPENSES | 38.96 | 42.43 | 39.17 |
| RECEIPTS LESS CASH EXPENSES | .48 | 1.50 | 15.42 |
| CAPITAL REPLACEMENT | 4.16 | 4.59 | 4.78 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -3.68 | -3.09 | 10.64 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 32.94 | 35.21 | 31.24 |
| TAXES AND INSURANCE | .51 | .59 | .61 |
| GENERAL FARM OVERHEAD | .46 | .50 | .53 |
| CAPITAL REPLACEMENT | 4.16 | 4.59 | 4.78 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.02 | 1.33 | .96 |
| OTHER NONLAND CAPITAL | 1.78 | 1.95 | 2.02 |
| LAND | .05 | .05 | .05 |
| UNPAID LABOR | 2.89 | 3.21 | 3.45 |
| RESIDUAL TO MANAGEMENT AND RISK | -4.37 | -3.50 | 10.95 |
| NET RETURNS TO OWNED INPUTS | 1.37 | 3.04 | 17.43 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 112--U.S. FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, 10,000 HEAD,
1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.67 lbs) <u>1/</u> | 37.60 | 41.88 | 52.02 |
| CULL SOWS (5.33 lbs) | 1.87 | 2.08 | 2.62 |
| TOTAL | 39.47 | 43.96 | 54.64 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (336.5 lbs) | 16.55 | 17.84 | 14.46 |
| PROTEIN SUPPLEMENTS (77.8 lbs) | 10.06 | 10.31 | 9.57 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .54 | .58 | .60 |
| LIVESTOCK HAULING | .10 | .11 | .12 |
| MARKETING | .17 | .19 | .21 |
| BEDDING (2 lbs) | .03 | .04 | .03 |
| FUEL, LUBE, AND ELECTRICITY | 1.60 | 1.86 | 1.90 |
| MACHINERY AND BUILDING REPAIRS | 1.52 | 1.67 | 1.74 |
| HIRED LABOR (.46 hr) | 3.13 | 3.44 | 3.70 |
| MANURE CREDIT | - .32 | - .35 | - .35 |
| TOTAL, VARIABLE EXPENSES | 33.38 | 35.69 | 31.98 |
| GENERAL FARM OVERHEAD | .47 | .52 | .55 |
| TAXES AND INSURANCE | .47 | .52 | .55 |
| INTEREST | 5.05 | 6.13 | 6.79 |
| TOTAL, FIXED EXPENSES | 5.99 | 7.17 | 7.89 |
| TOTAL, CASH EXPENSES | 39.37 | 42.86 | 39.87 |
| RECEIPTS LESS CASH EXPENSES | .10 | 1.10 | 14.77 |
| CAPITAL REPLACEMENT | 3.73 | 4.13 | 4.29 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -3.63 | -3.03 | 10.48 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.38 | 35.69 | 31.98 |
| TAXES AND INSURANCE | .47 | .52 | .55 |
| GENERAL FARM OVERHEAD | .47 | .52 | .55 |
| CAPITAL REPLACEMENT | 3.73 | 4.13 | 4.29 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | .97 | 1.27 | .92 |
| OTHER NONLAND CAPITAL | 1.59 | 1.75 | 1.80 |
| LAND | .02 | .02 | .02 |
| UNPAID LABOR | .87 | .97 | 1.04 |
| RESIDUAL TO MANAGEMENT AND RISK | -2.03 | - .91 | 13.49 |
| NET RETURNS TO OWNED INPUTS | 1.42 | 3.10 | 17.27 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 113--FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, ALL SIZES,
NORTH CENTRAL, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|-------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (94.18 lbs) <u>1/</u> | 37.50 | 41.52 | 51.50 |
| CULL SOWS (5.82 lbs) | 2.05 | 2.29 | 2.88 |
| TOTAL | 39.55 | 43.81 | 54.38 |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (350 lbs) | 16.65 | 18.08 | 14.62 |
| PROTEIN SUPPLEMENTS (80.9 lbs) | 11.66 | 12.21 | 11.38 |
| PASTURE (.008 acre) | .03 | .03 | .03 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .46 | .49 | .51 |
| LIVESTOCK HAULING | .12 | .13 | .14 |
| MARKETING | .30 | .32 | .35 |
| BEDDING (16 lbs) | .13 | .19 | .16 |
| FUEL, LUBE, AND ELECTRICITY | 1.75 | 2.04 | 2.02 |
| MACHINERY AND BUILDING REPAIRS | 2.10 | 2.29 | 2.39 |
| HIRED LABOR (.15 hr) | .72 | .87 | .97 |
| MANURE CREDIT | - .22 | - .23 | - .23 |
| TOTAL, VARIABLE EXPENSES | 33.70 | 36.42 | 32.34 |
| GENERAL FARM OVERHEAD | 1.00 | 1.07 | 1.09 |
| TAXES AND INSURANCE | .63 | .68 | .71 |
| INTEREST | 5.18 | 6.29 | 6.97 |
| TOTAL, FIXED EXPENSES | 6.81 | 8.04 | 8.77 |
| TOTAL, CASH EXPENSES | 40.51 | 44.46 | 41.11 |
| RECEIPTS LESS CASH EXPENSES | - .96 | - .65 | 13.27 |
| CAPITAL REPLACEMENT | 5.32 | 5.75 | 5.98 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -6.28 | -6.40 | 7.29 |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 33.70 | 36.42 | 32.34 |
| TAXES AND INSURANCE | .63 | .68 | .71 |
| GENERAL FARM OVERHEAD | 1.00 | 1.07 | 1.09 |
| CAPITAL REPLACEMENT | 5.32 | 5.75 | 5.98 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.08 | 1.43 | 1.04 |
| OTHER NONLAND CAPITAL | 2.15 | 2.32 | 2.39 |
| LAND | .44 | .46 | .39 |
| UNPAID LABOR | 4.42 | 5.01 | 5.26 |
| RESIDUAL TO MANAGEMENT AND RISK | -9.19 | -9.33 | 5.18 |
| NET RETURNS TO OWNED INPUTS | -1.10 | - .11 | 14.26 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 114--FARROW-TO-FINISH PRODUCTION COSTS, PER CWT, ALL SIZES,
SOUTHEAST, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|--------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| MARKET HOGS (95.84 lbs) <u>1/</u> | 38.46 | 42.76 | 53.17 |
| CULL SOWS (4.16 lbs) | 1.46 | 1.62 | 2.01 |
| TOTAL | 39.92 | 44.38 | 55.18 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (348.6 lbs) | 19.03 | 20.01 | 16.25 |
| PROTEIN SUPPLEMENTS (83.2 lbs) | 11.89 | 12.70 | 11.56 |
| PASTURE (.019 acre) | .18 | .18 | .17 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .49 | .53 | .56 |
| LIVESTOCK HAULING | .02 | .02 | .02 |
| MARKETING | .35 | .37 | .39 |
| BEDDING (6 lbs) | .05 | .07 | .06 |
| FUEL, LUBE, AND ELECTRICITY | 1.86 | 2.16 | 2.24 |
| MACHINERY AND BUILDING REPAIRS | 1.79 | 1.95 | 2.04 |
| HIRED LABOR (.38 hr) | 1.76 | 1.90 | 2.14 |
| TOTAL, VARIABLE EXPENSES | 37.42 | 39.89 | 35.43 |
| GENERAL FARM OVERHEAD | 1.74 | 1.85 | 1.88 |
| TAXES AND INSURANCE | .57 | .62 | .66 |
| INTEREST | 4.95 | 6.01 | 6.66 |
| TOTAL, FIXED EXPENSES | 7.26 | 8.48 | 9.20 |
| TOTAL, CASH EXPENSES | 44.68 | 48.37 | 44.63 |
| RECEIPTS LESS CASH EXPENSES | -4.76 | -3.99 | 10.55 |
| CAPITAL REPLACEMENT | 4.11 | 4.51 | 4.71 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | -8.87 | -8.50 | 5.84 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 37.42 | 39.89 | 35.43 |
| TAXES AND INSURANCE | .57 | .62 | .66 |
| GENERAL FARM OVERHEAD | 1.74 | 1.85 | 1.88 |
| CAPITAL REPLACEMENT | 4.11 | 4.51 | 4.71 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.18 | 1.52 | 1.10 |
| OTHER NONLAND CAPITAL | 1.78 | 1.94 | 2.02 |
| LAND | .60 | .60 | .53 |
| UNPAID LABOR | 4.01 | 4.07 | 4.23 |
| RESIDUAL TO MANAGEMENT AND RISK | -11.49 | -10.62 | 4.62 |
| NET RETURNS TO OWNED INPUTS | -3.92 | -2.49 | 12.50 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR THE LATEST YEAR AND
WILL VARY FOR EARLIER YEARS.

TABLE 115--U.S. SHEEP PRODUCTION COSTS, PER EWE, ALL SIZES, 1980-82

| ITEM | 1980 | 1981 | 1982 |
|---|-------|--------|-------|
| <u>DOLLARS</u> | | | |
| CASH RECEIPTS: | | | |
| SLAUGHTER LAMBS (.317 cwt) <u>1/</u> | 20.46 | 16.03 | 16.60 |
| FEEDER LAMBS (.266 cwt) | 15.74 | 13.30 | 13.49 |
| CULL EWES (.292 cwt) | 3.55 | 3.43 | 3.05 |
| WOOL (7.42 lbs) | 6.55 | 7.45 | 6.28 |
| WOOL PAYMENT | 3.52 | 4.61 | 6.28 |
| UNSHORN LAMB PAYMENT | .76 | .88 | 1.50 |
| TOTAL | 50.58 | 45.70 | 47.20 |
| ===== | | | |
| CASH EXPENSES: | | | |
| FEED-- | | | |
| GRAIN (.741 bu) | 2.56 | 2.13 | 2.14 |
| PROTEIN SUPPLEMENTS (.019 ton) | 3.64 | 3.38 | 3.16 |
| SALT AND MINERALS (.07 cwt) | .32 | .35 | .37 |
| HAY (.103 ton) | 2.93 | 3.62 | 3.64 |
| PASTURE (.389 AUM) | 3.05 | 3.26 | 3.11 |
| PUBLIC GRAZING (.461 AUM) | 1.08 | 1.06 | .86 |
| PUBLIC GRAZING (.027 AUM) | .05 | .05 | .05 |
| CROP RESIDUE (.141 AUM) | .05 | .06 | .05 |
| OTHER-- | | | |
| VETERINARY AND MEDICINE | .83 | .91 | .98 |
| LIVESTOCK HAULING | 1.00 | 1.12 | 1.18 |
| MARKETING | .22 | .23 | .26 |
| RAM DEATH LOSS | .33 | .31 | .29 |
| SHEARING AND TAGGING | 1.06 | 1.14 | 1.18 |
| FUEL, LUBE, AND ELECTRICITY | 1.75 | 1.98 | 1.91 |
| MACHINERY AND BUILDING REPAIRS | 1.59 | 1.74 | 1.85 |
| HIRED LABOR (1.405 hrs) | 5.44 | 5.83 | 6.05 |
| MISCELLANEOUS | .87 | .96 | 1.02 |
| TOTAL, VARIABLE EXPENSES | 26.77 | 28.13 | 28.10 |
| GENERAL FARM OVERHEAD | 1.04 | 1.15 | 1.23 |
| TAXES AND INSURANCE | 1.55 | 1.57 | 1.62 |
| INTEREST | 7.69 | 9.33 | 10.34 |
| TOTAL, FIXED EXPENSES | 10.28 | 12.05 | 13.19 |
| TOTAL, CASH EXPENSES | 37.05 | 40.18 | 41.29 |
| RECEIPTS LESS CASH EXPENSES | 13.53 | 5.52 | 5.91 |
| CAPITAL REPLACEMENT | 1.33 | 1.48 | 1.62 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 12.20 | 4.04 | 4.29 |
| ===== | | | |
| ECONOMIC COSTS: | | | |
| VARIABLE EXPENSES | 26.77 | 28.13 | 28.10 |
| TAXES AND INSURANCE | 1.55 | 1.57 | 1.62 |
| GENERAL FARM OVERHEAD | 1.04 | 1.15 | 1.23 |
| CAPITAL REPLACEMENT | 1.33 | 1.48 | 1.62 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | | |
| OPERATING CAPITAL (EQUITY) | 1.86 | 2.45 | 1.97 |
| OTHER NONLAND CAPITAL | 4.63 | 4.06 | 4.01 |
| LAND | 9.44 | 10.48 | 11.38 |
| UNPAID LABOR | 6.40 | 6.97 | 7.14 |
| RESIDUAL TO MANAGEMENT AND RISK | -2.44 | -10.59 | -9.87 |
| NET RETURNS TO OWNED INPUTS | 19.89 | 13.37 | 14.63 |

1/ QUANTITIES PER CWT, IN PARENTHESES, ARE FOR LATEST YEAR AND WILL VARY FOR EARLIER YEARS.

TABLE 116--U.S. MILK PRODUCTION COSTS, PER COW, ALL SIZES,
1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,864.44 | 1,862.11 |
| CULL COWS | 170.24 | 157.01 |
| TOTAL | 2,034.68 | 2,019.12 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 44.94 | 41.32 |
| CONCENTRATES | 469.86 | 440.73 |
| HAY | 108.95 | 111.56 |
| PASTURE AND OTHER FORAGES | 5.45 | 5.51 |
| HAYLAGE | 31.32 | 31.68 |
| OTHER-- | | |
| MILK HAULING | 47.67 | 49.58 |
| ARTIFICIAL INSEMINATION | 14.98 | 16.53 |
| VETERINARY AND MEDICINE | 27.24 | 27.55 |
| LIVESTOCK HAULING | 2.72 | 2.75 |
| MARKETING | 13.62 | 13.77 |
| FUEL, LUBE, AND ELECTRICITY | 54.47 | 55.09 |
| MACHINERY AND BUILDING REPAIRS | 47.67 | 50.96 |
| HIRED LABOR | 113.04 | 119.83 |
| DHIA FEES | 6.81 | 6.89 |
| DAIRY SUPPLIES | 25.88 | 26.17 |
| TOTAL, VARIABLE EXPENSES | 1,014.62 | 999.92 |
| GENERAL FARM OVERHEAD | 66.73 | 66.11 |
| TAXES AND INSURANCE | 44.64 | 44.08 |
| INTEREST | 194.75 | 213.48 |
| TOTAL, FIXED EXPENSES | 306.12 | 323.67 |
| TOTAL, CASH EXPENSES | 1,320.74 | 1,323.59 |
| RECEIPTS LESS CASH EXPENSES | 713.94 | 695.53 |
| CAPITAL REPLACEMENT | 223.35 | 217.61 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 490.59 | 477.92 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,014.62 | 999.92 |
| TAXES AND INSURANCE | 44.64 | 44.08 |
| GENERAL FARM OVERHEAD | 66.73 | 66.11 |
| CAPITAL REPLACEMENT | 223.35 | 217.61 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 27.24 | 23.41 |
| OTHER NONLAND CAPITAL | 149.81 | 141.86 |
| LAND | 50.39 | 48.21 |
| UNPAID LABOR | 198.84 | 213.48 |
| RESIDUAL TO MANAGEMENT AND RISK | 259.06 | 264.44 |
| NET RETURNS TO OWNED INPUTS | 685.34 | 691.40 |

TABLE 117--U.S. MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 13.69 | 13.52 |
| CULL COWS | 1.25 | 1.14 |
| TOTAL | 14.94 | 14.66 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.33 | 0.30 |
| CONCENTRATES | 3.45 | 3.20 |
| HAY | .80 | .81 |
| PASTURE AND OTHER FORAGES | .04 | .04 |
| HAYLAGE | .23 | .23 |
| OTHER-- | | |
| MILK HAULING | .35 | .36 |
| ARTIFICIAL INSEMINATION | .11 | .12 |
| VETERINARY AND MEDICINE | .20 | .20 |
| LIVESTOCK HAULING | .02 | .02 |
| MARKETING | .10 | .10 |
| FUEL, LUBE, AND ELECTRICITY | .40 | .40 |
| MACHINERY AND BUILDING REPAIRS | .35 | .37 |
| HIRED LABOR | .83 | .87 |
| DHIA FEES | .05 | .05 |
| DAIRY SUPPLIES | .19 | .19 |
| TOTAL, VARIABLE EXPENSES | 7.45 | 7.26 |
| GENERAL FARM OVERHEAD | .49 | .48 |
| TAXES AND INSURANCE | .33 | .32 |
| INTEREST | 1.43 | 1.55 |
| TOTAL, FIXED EXPENSES | 2.25 | 2.35 |
| TOTAL, CASH EXPENSES | 9.70 | 9.61 |
| RECEIPTS LESS CASH EXPENSES | 5.24 | 5.05 |
| CAPITAL REPLACEMENT | 1.64 | 1.58 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 3.60 | 3.47 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 7.45 | 7.26 |
| TAXES AND INSURANCE | .33 | .32 |
| GENERAL FARM OVERHEAD | .49 | .48 |
| CAPITAL REPLACEMENT | 1.64 | 1.58 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .20 | .17 |
| OTHER NONLAND CAPITAL | 1.10 | 1.03 |
| LAND | .37 | .35 |
| UNPAID LABOR | 1.46 | 1.55 |
| RESIDUAL TO MANAGEMENT AND RISK | 1.90 | 1.92 |
| NET RETURNS TO OWNED INPUTS | 5.03 | 5.02 |

TABLE 118--MILK PRODUCTION COSTS, PER COW, ALL SIZES,
APPALACHIA, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,889.95 | 1,898.62 |
| CULL COWS | 136.34 | 129.86 |
| TOTAL | 2,026.29 | 2,028.48 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 80.19 | 65.61 |
| CONCENTRATES | 594.79 | 539.93 |
| HAY | 90.89 | 90.21 |
| PASTURE AND OTHER FORAGES | 20.05 | 19.14 |
| HAYLAGE | 18.71 | 19.14 |
| OTHER-- | | |
| MILK HAULING | 64.16 | 66.98 |
| ARTIFICIAL INSEMINATION | 14.70 | 16.40 |
| VETERINARY AND MEDICINE | 21.39 | 21.87 |
| LIVESTOCK HAULING | 1.34 | 1.37 |
| MARKETING | 17.37 | 17.77 |
| FUEL, LUBE, AND ELECTRICITY | 56.14 | 54.68 |
| MACHINERY AND BUILDING REPAIRS | 41.43 | 43.74 |
| HIRED LABOR | 149.70 | 144.89 |
| DHIA FEES | 6.68 | 8.20 |
| DAIRY SUPPLIES | 33.42 | 32.80 |
| TOTAL, VARIABLE EXPENSES | 1,210.96 | 1,142.73 |
| GENERAL FARM OVERHEAD | 48.12 | 49.20 |
| TAXES AND INSURANCE | 42.77 | 41.01 |
| INTEREST | 173.76 | 205.04 |
| TOTAL, FIXED EXPENSES | 264.65 | 295.25 |
| TOTAL, CASH EXPENSES | 1,475.61 | 1,437.98 |
| RECEIPTS LESS CASH EXPENSES | 550.68 | 590.50 |
| CAPITAL REPLACEMENT | 200.49 | 196.83 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 350.19 | 393.67 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,210.96 | 1,142.73 |
| TAXES AND INSURANCE | 42.77 | 41.01 |
| GENERAL FARM OVERHEAD | 48.12 | 49.20 |
| CAPITAL REPLACEMENT | 200.49 | 196.83 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 34.76 | 24.60 |
| OTHER NONLAND CAPITAL | 137.67 | 128.49 |
| LAND | 61.48 | 58.78 |
| UNPAID LABOR | 157.72 | 150.36 |
| RESIDUAL TO MANAGEMENT AND RISK | 132.32 | 236.48 |
| NET RETURNS TO OWNED INPUTS | 523.95 | 598.71 |

TABLE 119--MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
APPALACHIA, 1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 14.14 | 13.89 |
| CULL COWS | 1.02 | .95 |
| TOTAL | 15.16 | 14.84 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.60 | 0.48 |
| CONCENTRATES | 4.45 | 3.95 |
| HAY | .68 | .66 |
| PASTURE AND OTHER FORAGES | .15 | .14 |
| HAYLAGE | .14 | .14 |
| OTHER-- | | |
| MILK HAULING | .48 | .49 |
| ARTIFICIAL INSEMINATION | .11 | .12 |
| VETERINARY AND MEDICINE | .16 | .16 |
| LIVESTOCK HAULING | .01 | .01 |
| MARKETING | .13 | .13 |
| FUEL, LUBE, AND ELECTRICITY | .42 | .40 |
| MACHINERY AND BUILDING REPAIRS | .31 | .32 |
| HIRED LABOR | 1.12 | 1.06 |
| DHIA FEES | .05 | .06 |
| DAIRY SUPPLIES | .25 | .24 |
| TOTAL, VARIABLE EXPENSES | 9.06 | 8.36 |
| GENERAL FARM OVERHEAD | .36 | .36 |
| TAXES AND INSURANCE | .32 | .30 |
| INTEREST | 1.30 | 1.50 |
| TOTAL, FIXED EXPENSES | 1.98 | 2.16 |
| TOTAL, CASH EXPENSES | 11.04 | 10.52 |
| RECEIPTS LESS CASH EXPENSES | 4.12 | 4.32 |
| CAPITAL REPLACEMENT | 1.50 | 1.44 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 2.62 | 2.88 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 9.06 | 8.36 |
| TAXES AND INSURANCE | .32 | .30 |
| GENERAL FARM OVERHEAD | .36 | .36 |
| CAPITAL REPLACEMENT | 1.50 | 1.44 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .26 | .18 |
| OTHER NONLAND CAPITAL | 1.03 | .94 |
| LAND | .46 | .43 |
| UNPAID LABOR | 1.18 | 1.10 |
| RESIDUAL TO MANAGEMENT AND RISK | .99 | 1.73 |
| NET RETURNS TO OWNED INPUTS | 3.92 | 4.38 |

TABLE 120--MILK PRODUCTION COSTS, PER COW, ALL SIZES,
CORN BELT, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,755.65 | 1,756.68 |
| CULL COWS | 153.12 | 143.22 |
| TOTAL | 1,908.77 | 1,899.90 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 32.44 | 32.85 |
| CONCENTRATES | 467.14 | 451.98 |
| HAY | 73.97 | 70.95 |
| PASTURE AND OTHER FORAGES | 9.08 | 7.88 |
| HAYLAGE | 31.14 | 30.22 |
| OTHER-- | | |
| MILK HAULING | 62.28 | 64.38 |
| ARTIFICIAL INSEMINATION | 15.57 | 17.08 |
| VETERINARY AND MEDICINE | 25.95 | 26.28 |
| LIVESTOCK HAULING | 1.30 | 1.31 |
| MARKETING | 12.98 | 13.14 |
| FUEL, LUBE, AND ELECTRICITY | 70.07 | 69.64 |
| MACHINERY AND BUILDING REPAIRS | 53.20 | 57.81 |
| HIRED LABOR | 88.24 | 86.72 |
| DHIA FEES | 6.49 | 7.88 |
| DAIRY SUPPLIES | 25.95 | 26.28 |
| TOTAL, VARIABLE EXPENSES | 975.80 | 964.40 |
| GENERAL FARM OVERHEAD | 53.20 | 53.87 |
| TAXES AND INSURANCE | 45.42 | 45.99 |
| INTEREST | 225.78 | 247.01 |
| TOTAL, FIXED EXPENSES | 324.40 | 346.87 |
| TOTAL, CASH EXPENSES | 1,300.20 | 1,311.27 |
| RECEIPTS LESS CASH EXPENSES | 608.57 | 588.63 |
| CAPITAL REPLACEMENT | 246.54 | 241.76 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 362.03 | 346.87 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 975.80 | 964.40 |
| TAXES AND INSURANCE | 45.42 | 45.99 |
| GENERAL FARM OVERHEAD | 53.20 | 53.87 |
| CAPITAL REPLACEMENT | 246.54 | 241.76 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 25.95 | 22.34 |
| OTHER NONLAND CAPITAL | 160.90 | 153.73 |
| LAND | 79.15 | 78.83 |
| UNPAID LABOR | 260.82 | 260.15 |
| RESIDUAL TO MANAGEMENT AND RISK | 60.99 | 78.83 |
| NET RETURNS TO OWNED INPUTS | 587.81 | 593.88 |

TABLE 121--MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
CORN BELT, 1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 13.53 | 13.37 |
| CULL COWS | 1.18 | 1.09 |
| TOTAL | 14.71 | 14.46 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.25 | 0.25 |
| CONCENTRATES | 3.60 | 3.44 |
| HAY | .57 | .54 |
| PASTURE AND OTHER FORAGES | .07 | .06 |
| HAYLAGE | .24 | .23 |
| OTHER-- | | |
| MILK HAULING | .48 | .49 |
| ARTIFICIAL INSEMINATION | .12 | .13 |
| VETERINARY AND MEDICINE | .20 | .20 |
| LIVESTOCK HAULING | .01 | .01 |
| MARKETING | .10 | .10 |
| FUEL, LUBE, AND ELECTRICITY | .54 | .53 |
| MACHINERY AND BUILDING REPAIRS | .41 | .44 |
| HIRED LABOR | .68 | .66 |
| DHIA FEES | .05 | .06 |
| DAIRY SUPPLIES | .20 | .20 |
| TOTAL, VARIABLE EXPENSES | 7.52 | 7.34 |
| GENERAL FARM OVERHEAD | .41 | .41 |
| TAXES AND INSURANCE | .35 | .35 |
| INTEREST | 1.74 | 1.88 |
| TOTAL, FIXED EXPENSES | 2.50 | 2.64 |
| TOTAL, CASH EXPENSES | 10.02 | 9.98 |
| RECEIPTS LESS CASH EXPENSES | 4.69 | 4.48 |
| CAPITAL REPLACEMENT | 1.90 | 1.84 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 2.79 | 2.64 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 7.52 | 7.34 |
| TAXES AND INSURANCE | .35 | .35 |
| GENERAL FARM OVERHEAD | .41 | .41 |
| CAPITAL REPLACEMENT | 1.90 | 1.84 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .20 | .17 |
| OTHER NONLAND CAPITAL | 1.24 | 1.17 |
| LAND | .61 | .60 |
| UNPAID LABOR | 2.01 | 1.98 |
| RESIDUAL TO MANAGEMENT AND RISK | .47 | .60 |
| NET RETURNS TO OWNED INPUTS | 4.53 | 4.52 |

TABLE 122--MILK PRODUCTION COSTS, PER COW, ALL SIZES,
NORTHEAST, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,945.56 | 1,942.88 |
| CULL COWS | 166.52 | 154.31 |
| TOTAL | 2,112.08 | 2,097.19 |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 54.12 | 49.10 |
| CONCENTRATES | 503.74 | 472.74 |
| HAY | 72.16 | 85.57 |
| PASTURE AND OTHER FORAGES | 4.16 | 4.21 |
| HAYLAGE | 31.92 | 28.06 |
| OTHER-- | | |
| MILK HAULING | 52.73 | 54.71 |
| ARTIFICIAL INSEMINATION | 16.65 | 18.24 |
| VETERINARY AND MEDICINE | 31.92 | 32.26 |
| LIVESTOCK HAULING | 2.77 | 2.81 |
| MARKETING | 15.26 | 15.43 |
| FUEL, LUBE, AND ELECTRICITY | 56.90 | 56.11 |
| MACHINERY AND BUILDING REPAIRS | 47.18 | 49.10 |
| HIRED LABOR | 134.61 | 151.50 |
| DHIA FEES | 6.94 | 7.01 |
| DAIRY SUPPLIES | 24.98 | 25.25 |
| TOTAL, VARIABLE EXPENSES | 1,056.04 | 1,052.10 |
| GENERAL FARM OVERHEAD | 83.26 | 84.17 |
| TAXES AND INSURANCE | 45.79 | 43.49 |
| INTEREST | 152.65 | 169.74 |
| TOTAL, FIXED EXPENSES | 281.70 | 297.40 |
| TOTAL, CASH EXPENSES | 1,337.74 | 1,349.50 |
| RECEIPTS LESS CASH EXPENSES | 774.34 | 747.69 |
| CAPITAL REPLACEMENT | 230.36 | 223.04 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 543.98 | 524.65 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,056.04 | 1,052.10 |
| TAXES AND INSURANCE | 45.79 | 43.49 |
| GENERAL FARM OVERHEAD | 83.26 | 84.17 |
| CAPITAL REPLACEMENT | 230.36 | 223.04 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 29.14 | 23.85 |
| OTHER NONLAND CAPITAL | 155.42 | 147.29 |
| LAND | 38.86 | 106.61 |
| UNPAID LABOR | 206.77 | 218.84 |
| RESIDUAL TO MANAGEMENT AND RISK | 266.44 | 197.80 |
| NET RETURNS TO OWNED INPUTS | 696.63 | 694.39 |

TABLE 123--MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
NORTHEAST, 1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 14.02 | 13.85 |
| CULL COWS | 1.20 | 1.10 |
| TOTAL | 15.22 | 14.95 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.39 | 0.35 |
| CONCENTRATES | 3.63 | 3.37 |
| HAY | .52 | .61 |
| PASTURE AND OTHER FORAGES | .03 | .03 |
| HAYLAGE | .23 | .20 |
| OTHER-- | | |
| MILK HAULING | .38 | .39 |
| ARTIFICIAL INSEMINATION | .12 | .13 |
| VETERINARY AND MEDICINE | .23 | .23 |
| LIVESTOCK HAULING | .02 | .02 |
| MARKETING | .11 | .11 |
| FUEL, LUBE, AND ELECTRICITY | .41 | .40 |
| MACHINERY AND BUILDING REPAIRS | .34 | .35 |
| HIRED LABOR | .97 | 1.08 |
| DHIA FEES | .05 | .05 |
| DAIRY SUPPLIES | .18 | .18 |
| TOTAL, VARIABLE EXPENSES | 7.61 | 7.50 |
| GENERAL FARM OVERHEAD | .60 | .60 |
| TAXES AND INSURANCE | .33 | .31 |
| INTEREST | 1.10 | 1.21 |
| TOTAL, FIXED EXPENSES | 2.03 | 2.12 |
| TOTAL, CASH EXPENSES | 9.64 | 9.62 |
| RECEIPTS LESS CASH EXPENSES | 5.58 | 5.33 |
| CAPITAL REPLACEMENT | 1.66 | 1.59 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 3.92 | 3.74 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 7.61 | 7.50 |
| TAXES AND INSURANCE | .33 | .31 |
| GENERAL FARM OVERHEAD | .60 | .60 |
| CAPITAL REPLACEMENT | 1.66 | 1.59 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .21 | .17 |
| OTHER NONLAND CAPITAL | 1.12 | 1.05 |
| LAND | .28 | .76 |
| UNPAID LABOR | 1.49 | 1.56 |
| RESIDUAL TO MANAGEMENT AND RISK | 1.92 | 1.41 |
| NET RETURNS TO OWNED INPUTS | 5.02 | 4.95 |

TABLE 124--MILK PRODUCTION COSTS, PER COW, ALL SIZES, PACIFIC,
1981-82

| ITEM | 1981 | 1982 |
|---|----------------|----------|
| | <u>DOLLARS</u> | |
| CASH RECEIPTS: | | |
| MILK | 2,126.81 | 2,110.46 |
| CULL COWS | 146.95 | 136.77 |
| TOTAL | 2,273.76 | 2,247.23 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 23.70 | 23.86 |
| CONCENTRATES | 567.26 | 518.47 |
| HAY | 342.88 | 354.66 |
| PASTURE AND OTHER FORAGES | 4.74 | 4.77 |
| HAYLAGE | 18.96 | 19.08 |
| OTHER-- | | |
| MILK HAULING | 45.82 | 47.71 |
| ARTIFICIAL INSEMINATION | 17.38 | 17.49 |
| VETERINARY AND MEDICINE | 22.12 | 22.26 |
| LIVESTOCK HAULING | 1.58 | 1.59 |
| MARKETING | 23.70 | 25.45 |
| FUEL, LUBE, AND ELECTRICITY | 37.92 | 36.58 |
| MACHINERY AND BUILDING REPAIRS | 61.63 | 65.21 |
| HIRED LABOR | 142.21 | 151.09 |
| DHIA FEES | 7.90 | 9.54 |
| DAIRY SUPPLIES | 28.44 | 27.04 |
| TOTAL, VARIABLE EXPENSES | 1,346.24 | 1,324.80 |
| GENERAL FARM OVERHEAD | 55.31 | 55.66 |
| TAXES AND INSURANCE | 25.28 | 23.86 |
| INTEREST | 176.97 | 192.44 |
| TOTAL, FIXED EXPENSES | 257.56 | 271.96 |
| TOTAL, CASH EXPENSES | 1,603.80 | 1,596.76 |
| RECEIPTS LESS CASH EXPENSES | 669.96 | 650.47 |
| CAPITAL REPLACEMENT | 127.99 | 125.64 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 541.97 | 524.83 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,346.24 | 1,324.80 |
| TAXES AND INSURANCE | 25.28 | 23.86 |
| GENERAL FARM OVERHEAD | 55.31 | 55.66 |
| CAPITAL REPLACEMENT | 127.99 | 125.64 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 42.66 | 33.40 |
| OTHER NONLAND CAPITAL | 109.03 | 103.38 |
| LAND | 11.06 | 11.13 |
| UNPAID LABOR | 56.88 | 60.43 |
| RESIDUAL TO MANAGEMENT AND RISK | 499.31 | 508.93 |
| NET RETURNS TO OWNED INPUTS | 718.94 | 717.27 |

TABLE 125--MILK PRODUCTION COSTS, PER CWT, ALL SIZES, PACIFIC,
1981-82

| ITEM | 1981 | 1982 |
|---|----------------|-------|
| | <u>DOLLARS</u> | |
| CASH RECEIPTS: | | |
| MILK | 13.46 | 13.27 |
| CULL COWS | .93 | .86 |
| TOTAL | 14.39 | 14.13 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.15 | 0.15 |
| CONCENTRATES | 3.59 | 3.26 |
| HAY | 2.17 | 2.23 |
| PASTURE AND OTHER FORAGES | .03 | .03 |
| HAYLAGE | .12 | .12 |
| OTHER-- | | |
| MILK HAULING | .29 | .30 |
| ARTIFICIAL INSEMINATION | .11 | .11 |
| VETERINARY AND MEDICINE | .14 | .14 |
| LIVESTOCK HAULING | .01 | .01 |
| MARKETING | .15 | .16 |
| FUEL, LUBE, AND ELECTRICITY | .24 | .23 |
| MACHINERY AND BUILDING REPAIRS | .39 | .41 |
| HIRED LABOR | .90 | .95 |
| DHIA FEES | .05 | .06 |
| DAIRY SUPPLIES | .18 | .17 |
| TOTAL, VARIABLE EXPENSES | 8.52 | 8.33 |
| GENERAL FARM OVERHEAD | .35 | .35 |
| TAXES AND INSURANCE | .16 | .15 |
| INTEREST | 1.12 | 1.21 |
| TOTAL, FIXED EXPENSES | 1.63 | 1.71 |
| TOTAL, CASH EXPENSES | 10.15 | 10.04 |
| RECEIPTS LESS CASH EXPENSES | 4.24 | 4.09 |
| CAPITAL REPLACEMENT | .81 | .79 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 3.43 | 3.30 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 8.52 | 8.33 |
| TAXES AND INSURANCE | .16 | .15 |
| GENERAL FARM OVERHEAD | .35 | .35 |
| CAPITAL REPLACEMENT | .81 | .79 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .27 | .21 |
| OTHER NONLAND CAPITAL | .69 | .65 |
| LAND | .07 | .07 |
| UNPAID LABOR | .36 | .38 |
| RESIDUAL TO MANAGEMENT AND RISK | 3.16 | 3.20 |
| NET RETURNS TO OWNED INPUTS | 4.55 | 4.51 |

TABLE 126--MILK PRODUCTION COSTS, PER COW, ALL SIZES,
SOUTHERN PLAINS, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,934.36 | 1,931.58 |
| CULL COWS | 135.93 | 123.04 |
| TOTAL | 2,070.29 | 2,054.62 |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 6.54 | 6.61 |
| CONCENTRATES | 673.10 | 594.03 |
| HAY | 224.80 | 215.65 |
| PASTURE AND OTHER FORAGES | 5.23 | 5.29 |
| HAYLAGE | 13.07 | 13.23 |
| OTHER-- | | |
| MILK HAULING | 65.35 | 67.47 |
| ARTIFICIAL INSEMINATION | 10.46 | 10.59 |
| VETERINARY AND MEDICINE | 18.30 | 18.52 |
| LIVESTOCK HAULING | 1.31 | 1.32 |
| MARKETING | 24.83 | 25.14 |
| FUEL, LUBE, AND ELECTRICITY | 40.52 | 41.01 |
| MACHINERY AND BUILDING REPAIRS | 22.22 | 23.81 |
| HIRED LABOR | 150.30 | 161.41 |
| DHIA FEES | 2.61 | 2.65 |
| DAIRY SUPPLIES | 39.21 | 39.69 |
| TOTAL, VARIABLE EXPENSES | 1,297.85 | 1,226.42 |
| GENERAL FARM OVERHEAD | 47.05 | 46.30 |
| TAXES AND INSURANCE | 36.60 | 35.72 |
| INTEREST | 192.13 | 210.36 |
| TOTAL, FIXED EXPENSES | 275.78 | 292.38 |
| TOTAL, CASH EXPENSES | 1,573.63 | 1,518.80 |
| RECEIPTS LESS CASH EXPENSES | 496.66 | 535.82 |
| CAPITAL REPLACEMENT | 162.07 | 164.05 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 334.59 | 371.77 |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 1,297.85 | 1,226.42 |
| TAXES AND INSURANCE | 36.60 | 35.72 |
| GENERAL FARM OVERHEAD | 47.05 | 46.30 |
| CAPITAL REPLACEMENT | 162.07 | 164.05 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 32.68 | 26.46 |
| OTHER NONLAND CAPITAL | 91.49 | 93.93 |
| LAND | 26.14 | 26.46 |
| UNPAID LABOR | 98.02 | 105.84 |
| RESIDUAL TO MANAGEMENT AND RISK | 278.39 | 329.44 |
| NET RETURNS TO OWNED INPUTS | 526.72 | 582.13 |

TABLE 127--MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
SOUTHERN PLAINS, 1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 14.80 | 14.60 |
| CULL COWS | 1.04 | .93 |
| TOTAL | 15.84 | 15.53 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.05 | 0.05 |
| CONCENTRATES | 5.15 | 4.49 |
| HAY | 1.72 | 1.63 |
| PASTURE AND OTHER FORAGES | .04 | .04 |
| HAYLAGE | .10 | .10 |
| OTHER-- | | |
| MILK HAULING | .50 | .51 |
| ARTIFICIAL INSEMINATION | .08 | .08 |
| VETERINARY AND MEDICINE | .14 | .14 |
| LIVESTOCK HAULING | .01 | .01 |
| MARKETING | .19 | .19 |
| FUEL, LUBE, AND ELECTRICITY | .31 | .31 |
| MACHINERY AND BUILDING REPAIRS | .17 | .18 |
| HIRED LABOR | 1.15 | 1.22 |
| DHIA FEES | .02 | .02 |
| DAIRY SUPPLIES | .30 | .30 |
| TOTAL, VARIABLE EXPENSES | 9.93 | 9.27 |
| GENERAL FARM OVERHEAD | .36 | .35 |
| TAXES AND INSURANCE | .28 | .27 |
| INTEREST | 1.47 | 1.59 |
| TOTAL, FIXED EXPENSES | 2.11 | 2.21 |
| TOTAL, CASH EXPENSES | 12.04 | 11.48 |
| RECEIPTS LESS CASH EXPENSES | 3.80 | 4.05 |
| CAPITAL REPLACEMENT | 1.24 | 1.24 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 2.56 | 2.81 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 9.93 | 9.27 |
| TAXES AND INSURANCE | .28 | .27 |
| GENERAL FARM OVERHEAD | .36 | .35 |
| CAPITAL REPLACEMENT | 1.24 | 1.24 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .25 | .20 |
| OTHER NONLAND CAPITAL | .70 | .71 |
| LAND | .20 | .20 |
| UNPAID LABOR | .75 | .80 |
| RESIDUAL TO MANAGEMENT AND RISK | 2.13 | 2.49 |
| NET RETURNS TO OWNED INPUTS | 4.03 | 4.40 |

TABLE 128--MILK PRODUCTION COSTS, PER COW, ALL SIZES,
UPPER MIDWEST, 1981-82

| ITEM | 1981 | 1982 |
|---|----------|----------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 1,735.80 | 1,734.08 |
| CULL COWS | 196.48 | 181.15 |
| TOTAL | 1,932.28 | 1,915.23 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 42.94 | 40.69 |
| CONCENTRATES | 361.73 | 347.87 |
| HAY | 71.57 | 68.26 |
| PASTURE AND OTHER FORAGES | 2.60 | 2.62 |
| HAYLAGE | 40.34 | 42.01 |
| OTHER-- | | |
| MILK HAULING | 33.83 | 35.44 |
| ARTIFICIAL INSEMINATION | 14.31 | 14.44 |
| VETERINARY AND MEDICINE | 28.63 | 28.88 |
| LIVESTOCK HAULING | 3.90 | 3.94 |
| MARKETING | 7.81 | 7.88 |
| FUEL, LUBE, AND ELECTRICITY | 54.65 | 56.45 |
| MACHINERY AND BUILDING REPAIRS | 48.14 | 51.19 |
| HIRED LABOR | 81.98 | 87.95 |
| DHIA FEES | 6.51 | 6.56 |
| DAIRY SUPPLIES | 22.12 | 22.32 |
| TOTAL, VARIABLE EXPENSES | 821.06 | 816.50 |
| GENERAL FARM OVERHEAD | 67.66 | 66.95 |
| TAXES AND INSURANCE | 50.75 | 49.88 |
| INTEREST | 230.31 | 250.73 |
| TOTAL, FIXED EXPENSES | 348.72 | 367.56 |
| TOTAL, CASH EXPENSES | 1,169.78 | 1,184.06 |
| RECEIPTS LESS CASH EXPENSES | 762.50 | 731.17 |
| CAPITAL REPLACEMENT | 248.53 | 245.47 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 513.97 | 485.70 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 821.06 | 816.50 |
| TAXES AND INSURANCE | 50.75 | 49.88 |
| GENERAL FARM OVERHEAD | 67.66 | 66.95 |
| CAPITAL REPLACEMENT | 248.53 | 245.47 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | 23.42 | 21.00 |
| OTHER NONLAND CAPITAL | 158.74 | 152.27 |
| LAND | 57.25 | 56.45 |
| UNPAID LABOR | 234.22 | 254.67 |
| RESIDUAL TO MANAGEMENT AND RISK | 270.65 | 252.04 |
| NET RETURNS TO OWNED INPUTS | 744.28 | 736.43 |

TABLE 129--MILK PRODUCTION COSTS, PER CWT, ALL SIZES,
UPPER MIDWEST, 1981-82

| ITEM | 1981 | 1982 |
|---|-------|-------|
| <u>DOLLARS</u> | | |
| CASH RECEIPTS: | | |
| MILK | 13.34 | 13.21 |
| CULL COWS | 1.51 | 1.38 |
| TOTAL | 14.85 | 14.59 |
| ===== | | |
| CASH EXPENSES: | | |
| FEED-- | | |
| SILAGE | 0.33 | 0.31 |
| CONCENTRATES | 2.78 | 2.65 |
| HAY | .55 | .52 |
| PASTURE AND OTHER FORAGES | .02 | .02 |
| HAYLAGE | .31 | .32 |
| OTHER-- | | |
| MILK HAULING | .26 | .27 |
| ARTIFICIAL INSEMINATION | .11 | .11 |
| VETERINARY AND MEDICINE | .22 | .22 |
| LIVESTOCK HAULING | .03 | .03 |
| MARKETING | .06 | .06 |
| FUEL, LUBE, AND ELECTRICITY | .42 | .43 |
| MACHINERY AND BUILDING REPAIRS | .37 | .39 |
| HIRED LABOR | .63 | .67 |
| DHIA FEES | .05 | .05 |
| DAIRY SUPPLIES | .17 | .17 |
| TOTAL, VARIABLE EXPENSES | 6.31 | 6.22 |
| GENERAL FARM OVERHEAD | .52 | .51 |
| TAXES AND INSURANCE | .39 | .38 |
| INTEREST | 1.77 | 1.91 |
| TOTAL, FIXED EXPENSES | 2.68 | 2.80 |
| TOTAL, CASH EXPENSES | 8.99 | 9.02 |
| RECEIPTS LESS CASH EXPENSES | 5.86 | 5.57 |
| CAPITAL REPLACEMENT | 1.91 | 1.87 |
| RECEIPTS LESS CASH EXPENSES AND REPLACEMENT | 3.95 | 3.70 |
| ===== | | |
| ECONOMIC COSTS: | | |
| VARIABLE EXPENSES | 6.31 | 6.22 |
| TAXES AND INSURANCE | .39 | .38 |
| GENERAL FARM OVERHEAD | .52 | .51 |
| CAPITAL REPLACEMENT | 1.91 | 1.87 |
| ALLOCATED RETURNS TO OWNED INPUTS: | | |
| OPERATING CAPITAL (EQUITY) | .18 | .16 |
| OTHER NONLAND CAPITAL | 1.22 | 1.16 |
| LAND | .44 | .43 |
| UNPAID LABOR | 1.80 | 1.94 |
| RESIDUAL TO MANAGEMENT AND RISK | 2.08 | 1.92 |
| NET RETURNS TO OWNED INPUTS | 5.72 | 5.61 |

Solar Power: Success and Uncertainty

Solar energy's modest foothold on U.S. farms faces an uncertain future, even though its applications to date have been fairly successful.

Progress of Solar Technologies and Potential Farm Uses explores the advances and problems in developing solar applications on the farm. Many low-cost homemade solar collectors, with multiple uses and a payback of

less than 5 years, are currently being used on farms.

But solar's future role in agriculture will depend on energy prices of alternative energy sources (such as nuclear and hydroelectric power) and on the competitiveness of redesigned conventional power systems.

In addition, the solar industry, which to date has not focused on farm needs, has to show more interest in marketing low-cost systems specifically developed for agriculture.

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- Solar-heated farrowing and nursery barns
- Solar-heated water for dairies
- Solar-heated houses for brooding broilers
- Solar-heated greenhouses

Progress of Solar Technologies and Potential Farm Uses (by Walter G. Heid, Jr., and Warren K. Trotter; AER-489; September 1982; 112 pages; \$5). Available from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Make your check or money order payable to Superintendent of Documents. For faster service, call GPO's order desk at (202) 783-3238 and charge your purchase to your VISA, MasterCard, or GPO Deposit account. Bulk discounts available.

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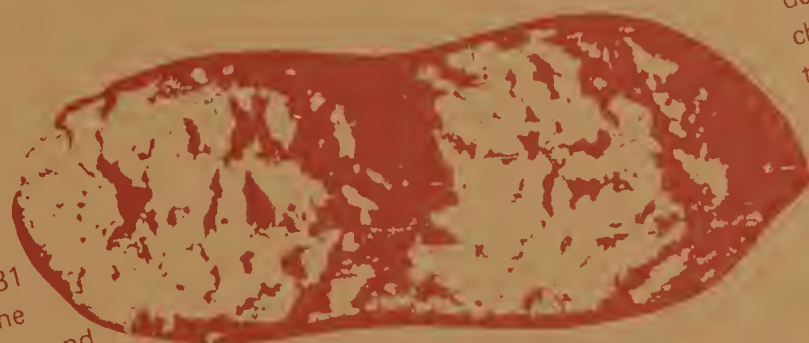
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